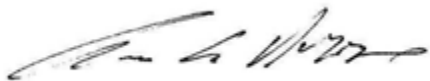


**From:** Andy Delforge <adelforge@reiengineering.com>  
**Sent:** Wednesday, December 12, 2018 8:24 AM  
**To:** Janowiak, Steve J - DNR  
**Subject:** FW: Thoughts on Normington  
**Attachments:** BRX pz & addl.pdf; CPZ5 boring log.pdf; 1933-GW-062718.pdf; 1933tbls.xls

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Thank you,



Andrew R. Delforge, P.G. – Senior Hydrogeologist



Connect with us :    

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---

**From:** Andy Delforge  
**Sent:** Thursday, November 29, 2018 2:03 PM  
**To:** Janowiak, Steve J - DNR <[Steve.Janowiak@wisconsin.gov](mailto:Steve.Janowiak@wisconsin.gov)>  
**Cc:** 'Matt Rowe' <[mrowe@ruderware.com](mailto:mrowe@ruderware.com)>  
**Subject:** Thoughts on Normington

Hi Steve - So the city provided me with addresses of the permitted sandpoint irrigation wells. I was able to find 4 in the vicinity that we will attempt to sample in spring (shown on attached). In reviewing the historical data, I was looking at piezometer depths and realized that CPZ5 is set in the bedrock at 52' (log

attached). Unfortunately, the chemistry is very similar to that of the surrounding PZs set above the rock (and the Witter Field irrigation wells for that matter). Although the PZ with the highest concentration is PZWR2, closest to the source. Any thoughts on what an appropriate depth would be? I would think the best location for the deeper PZ would be adjacent to CPZ5

Thank you,



Andrew R. Delforge, P.G. – Senior Hydrogeologist



**REI**  
CIVIL & ENVIRONMENTAL  
ENGINEERING, SURVEYING

4080 N. 20th Avenue  
Wausau, WI 54401  
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**Andrew R. Delforge, P.G.**  
Senior Hydrogeologist  
[Adelforge@REIengineering.com](mailto:Adelforge@REIengineering.com)

Tel: 1-877-734-7745  
715-675-9784

Cell: 715-551-4434

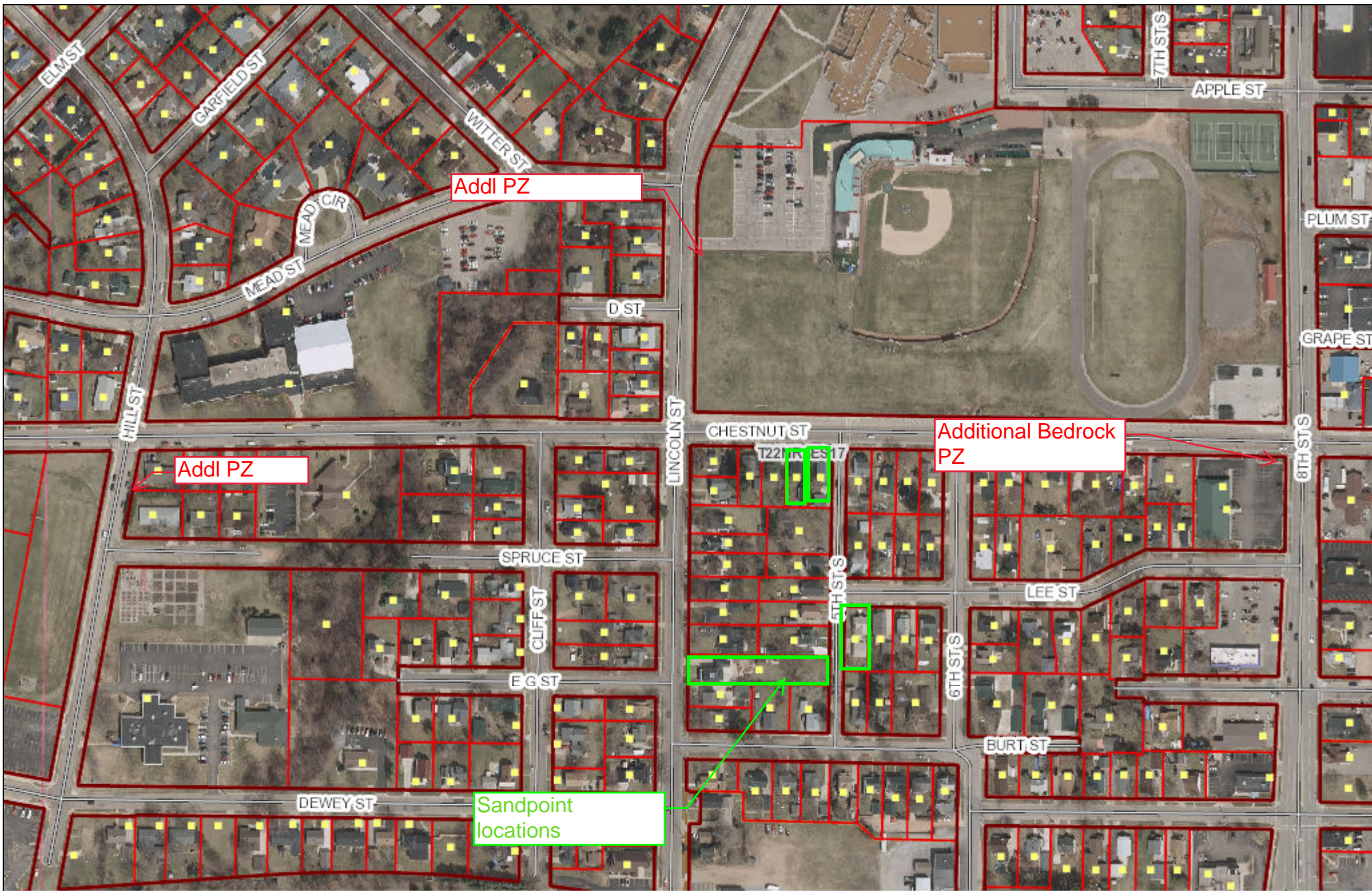
Fax: 715-675-4060

Icons: Head, Surveying, Environment, Water

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# Wood County Land Information Office

**Disclaimer: This Map is NOT a Survey!!!**

No information on this website is intended to serve as legal evidence of size, shape, location or ownership of real estate or environmental features including floodplains and wetlands. Wood county assumes no liability related to the use of this map. Property types open to the public for hunting should ALWAYS be verified by the Treasurer's Office.






<b>Facility/Project Name</b> Former Normington Dry Cleaners			<b>License/Permit/Monitoring Number</b>		<b>Boring Number</b> CPZ-5
<b>Boring Drilled By</b> (Firm name and name of crew chief) Traut Wells Robbie Terres			<b>Date Drilling Started</b> 02/05/03	<b>Date Drilling Completed</b> 02/05/03	<b>Drilling Method</b> 6.25" HSA / Air Rotary
<b>DNR Facility Well No.</b>	<b>WI Unique Well No.</b>	<b>Common Well Name</b> CPZ-5	<b>Final Static Water Level</b> Feet MSL	<b>Surface Elevation</b> 1027.00 Feet MSL	<b>Borehole Diameter</b> 8.25" / 6" inches
<b>Boring Location</b> State Plane N, E NW 1/4 of SE 1/4 of Section 17, T 22N, R 7E			<b>Lat</b> <b>Long</b>		<b>Local Grid Location (if applicable)</b> Feet S      Feet W
<b>County</b> Wood		<b>DNR County Code</b> 71	<b>Civil Town/City/ or Village</b> City of Wisconsin Rapids		

Sample Number	Length Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RGD/ Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
-	-		2					-		D					
SSI	24"		6					NR		M					
SS2	24"		12	Brown fine sand	SP			NR		M					
SS3	24"		16					NR		M					
SS4	24"		22					NR		W					

I hereby certify that the information on this form is true and correct to the best of my knowledge.

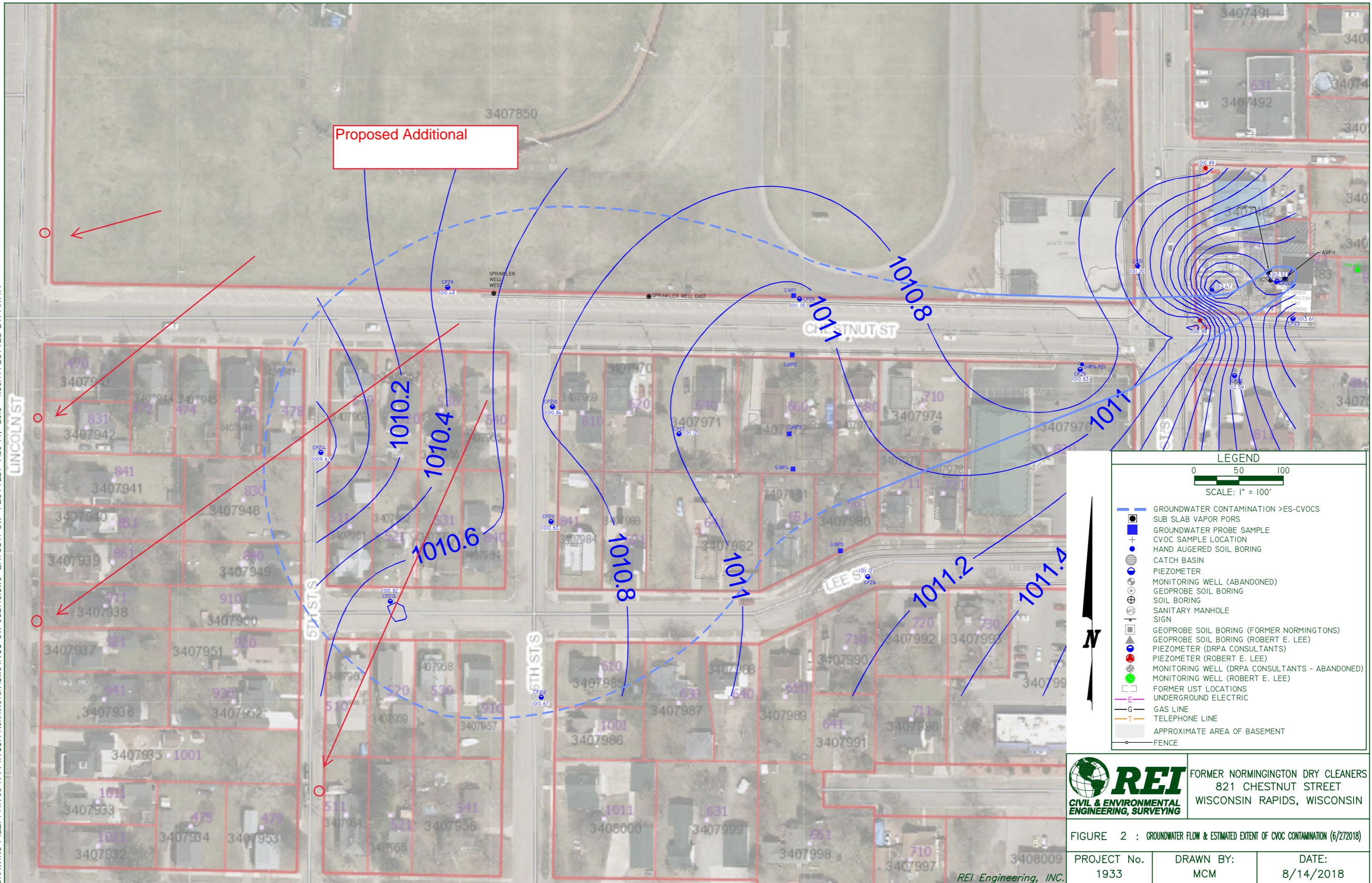
Signature 	Firm Remedial Engineering, Inc. 4080 N. 20th Ave. Wausau, WI 54401
--	---

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.





DRAWING FILE: P:\1900-1999\1933A-NORMINGTON\DWG\1933-GW-062718.DWG LAYOUT: GW PLOTTED: Aug 14, 2018 - 1:58PM PLOTTED BY: MATTM



Proposed Additional

**LEGEND**

0 50 100  
SCALE: 1" = 100'

- GROUNDWATER CONTAMINATION >ES-CVOCs
- SUB SLAB VAPOR PORS
- GROUNDWATER PROBE SAMPLE
- CVOC SAMPLE LOCATION
- HAND AUGERED SOIL BORING
- CATCH BASIN
- PIEZOMETER
- MONITORING WELL (ABANDONED)
- GEOPROBE SOIL BORING
- SOIL BORING
- SANITARY MANHOLE
- SIGN
- GEOPROBE SOIL BORING (FORMER NORMINGTONS)
- GEOPROBE SOIL BORING (ROBERT E. LEE)
- PIEZOMETER (DRPA CONSULTANTS)
- PIEZOMETER (ROBERT E. LEE)
- MONITORING WELL (DRPA CONSULTANTS - ABANDONED)
- MONITORING WELL (ROBERT E. LEE)
- FORMER UST LOCATIONS
- UNDERGROUND ELECTRIC
- GAS LINE
- TELEPHONE LINE
- APPROXIMATE AREA OF BASEMENT
- FENCE

**REI** FORMER NORMINGTON DRY CLEANERS  
 CIVIL & ENVIRONMENTAL ENGINEERING, SURVEYING  
 821 CHESTNUT STREET  
 WISCONSIN RAPIDS, WISCONSIN

FIGURE 2 : GROUNDWATER FLOW & ESTIMATED EXTENT OF CVOC CONTAMINATION (6/27/2018)

PROJECT No. 1933	DRAWN BY: MCM	DATE: 8/14/2018
---------------------	------------------	--------------------

REI Engineering, INC.

CPZ5

	2/12/03	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	#####	#####
PCE	<b>470</b>	<b>400</b>	<b>95.7</b>	<i>0.6</i>	<b>31.9</b>	<b>32.0</b>	93.5	116
TCE	<b>22</b>	<b>9.6</b>	<b>46.1</b>	<b>57.9</b>	<b>21.7</b>	<b>24.4</b>	<b>60.4</b>	<b>49.8</b>
Elevation	1010.93	1009.73		1010.05	1009.95	1011.28	1011.08	1010.63

PZWR2

	6/13/12	9/10/13	3/5/14	4/28/16	#####	#####
PCE	<b>1,240</b>	<b>79.3</b>	<b>650</b>	<b>2,260</b>	543	1420
TCE	<b>0.5</b>	<b>0.5</b>	<b>3.7</b>	<b>7.3</b>	0.9	10.6
Elevation		1010.69	1010.54	1011.19	1011.92	1012.27



Figure 3a  
CVOC Concentration vs. Groundwater Elevation and Time at PZWR2

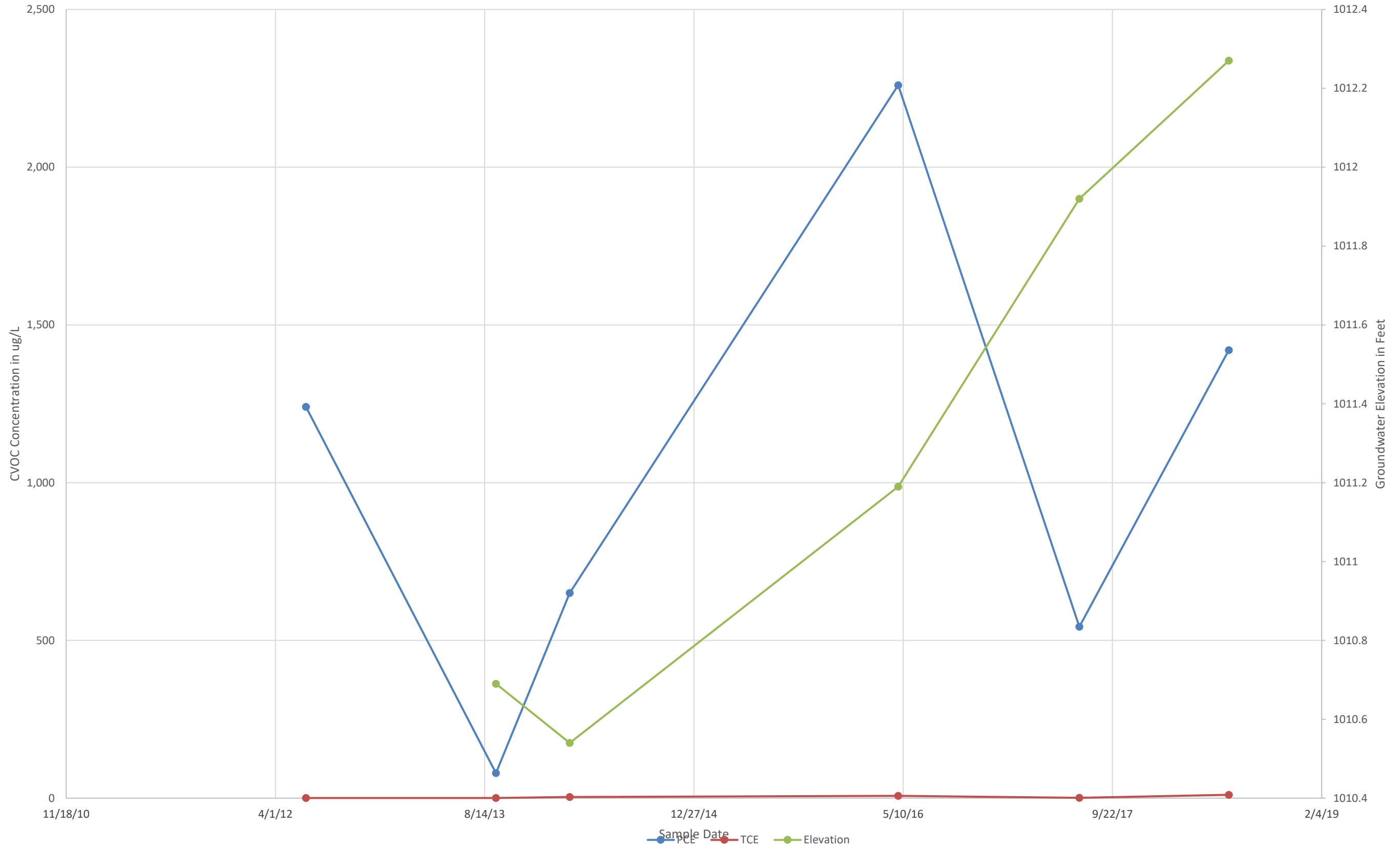
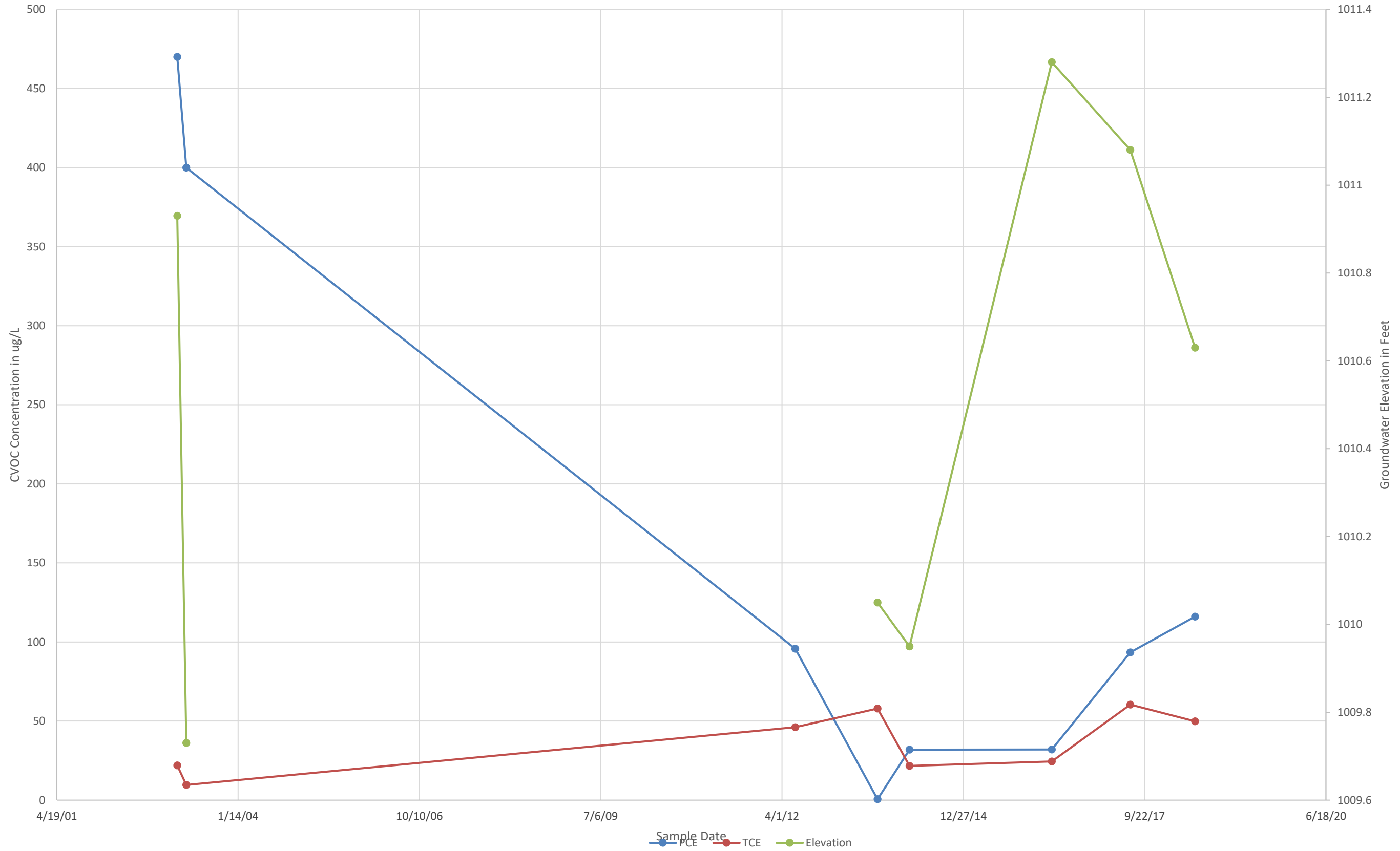




Figure 3b  
CVOC Concentration vs. Groundwater Elevation and Time at CPZ5



**Table 1**  
**Soil Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

Date-->	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00	11/10/00
	Sample-->	GP1	GP1	GP2	GP3	GP4	GP4	GP5	GP6	GP7	GP8	GP8	GP9	GP9
Sample Depth--(Feet)>	8-10	12-14	12-14	12-14	6-8	12-14	12-14	12-14	12-14	12-14	8-10	12-14	8-10	12-14
Detected VOC's (ug/kg)	NTEDC	GW												
Benzene	7,410	3	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromobenzene	679,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Bromodichloromethane	1,960	0.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Butylbenzene	108,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
sec-Butylbenzene	145,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
tert-Butylbenzene	183,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	NS	19	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chlorobenzene	761,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloroethane	NS	113	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloroform	2,130	17	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Chloromethane	72,000	7.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2-Chlorotoluene	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
4-Chlorotoluene	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromo-3-chloropropane	99	0.2	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Dibromochloromethane	4,400	32	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dibromoethane	230	0.0141	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichlorobenzene	376,000	584	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3-Dichlorobenzene	297,000	576.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,4-Dichlorobenzene	17,500	72	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Dichlorodifluoromethane	571,000	1,536.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	23,700	241.3	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	3,030	14	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1-Dichloroethene	1,190,000	2.5	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	2,040,000	20.6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethylene	976,000	29.4	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2-Dichloropropane	6,620	1.7	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3-Dichloropropane	1,490,000	0.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
2,2-Dichloropropane	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
(di)Isopropyl Ether	2,230,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Ethylbenzene	37,000	785	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Hexachloro(1,3)butadiene	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Isopropylbenzene	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
p-Isopropyltoluene	162,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methylene Chloride	72,100	1.3	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Methyl tert-Butyl Ether	293,000	13.5	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Naphthalene	26,000	329.4	36.9	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
n-Propylbenzene	NS	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	3,690	0.0784	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Tetrachloroethylene	3,120	2.3	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<b>40.6</b>
Toluene	818,000	553.6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,3-Trichlorobenzene	151,000	NS	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,2,4-Trichlorobenzene	98,700	204	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	640,000	70.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	7,340	1.6	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Trichloroethylene	8,810	1.8	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Trichlorofluoromethane	1,230,000	2,237.4	52.1	<25	29.6	<25	<25	70.3	<25	<25	<25	<25	<25	<25
1,2,4-Trimethylbenzene	219,000		<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
1,3,5-Trimethylbenzene	182,000	689.1	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Vinyl Chloride	2,030	0.069	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Total Xylenes	258,000	1,970	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25

**Notes:**

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW RCL exceedances are bold

**Bold**

NTEDC RCL exceedances are outlined in bold

**Bold**

NS - No Standard

<sup>j</sup> - Estimated Value between detection limit and quantification limit

**Table 1-Continued**  
**Soil Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

	Date-->	4/10/01	7/31/02	7/31/02	7/31/02	7/31/02	9/24/02	1/6/12	1/6/12	1/6/12	1/6/12	3/20/12	3/20/12	3/20/12
	Sample-->	HA-1	CPZ1	CPZ1	CPZ1	CPZ1	CS-1	GP1	GP2	GP3	GP4	MWWR1	MWWR2	MWWR3
	Sample Depth--(Feet)>	0-2	7.5-9.5	15-17	10-12	15-17	0.5-1	12-14	0.5-1	0.5-1	0.5-1	2-4	4-6	6-8
Detected VOC's (ug/kg)	NTEDC	GW												
Benzene	7,410	3	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromobenzene	679,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Bromodichloromethane	1,960	0.2	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Butylbenzene	108,000	NS	<25	<25	<25	<25	<25	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4
sec-Butylbenzene	145,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
tert-Butylbenzene	183,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Carbon Tetrachloride	NS	19	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chlorobenzene	761,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroethane	NS	113	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloroform	2,130	17	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Chloromethane	72,000	7.8	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	NS	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
4-Chlorotoluene	NS	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	99	0.2	<25	<100	<100	<100	<100	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3	<82.3
Dibromochloromethane	4,400	32	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dibromoethane	230	0.0141	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichlorobenzene	376,000	584	<25	<25	<25	<25	<25	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4	<44.4
1,3-Dichlorobenzene	297,000	576.1	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,4-Dichlorobenzene	17,500	72	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Dichlorodifluoromethane	571,000	1,536.9	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethane	23,700	241.3	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloroethane	3,030	14	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1-Dichloroethene	1,190,000	2.5	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
cis-1,2-Dichloroethene	2,040,000	20.6	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
trans-1,2-Dichloroethylene	976,000	29.4	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2-Dichloropropane	6,620	1.7	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3-Dichloropropane	1,490,000	0.1	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
2,2-Dichloropropane	NS	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
(di)Isopropyl Ether	2,230,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Ethylbenzene	37,000	785	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Hexachloro(1,3)butadiene	NS	NS	<25	<25	<25	<25	<25	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4	<26.4
Isopropylbenzene	NS	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
p-Isopropyltoluene	162,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methylene Chloride	72,100	1.3	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Methyl tert-Butyl Ether	293,000	13.5	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Naphthalene	26,000	329.4	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
n-Propylbenzene	NS	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	3,690	0.0784	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Tetrachloroethylene	3,120	2.3	<b>593</b>	<25	<25	<25	<25	<b>60</b>	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Toluene	818,000	553.6	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,3-Trichlorobenzene	151,000	NS	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trichlorobenzene	98,700	204	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,1-Trichloroethane	640,000	70.1	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,1,2-Trichloroethane	7,340	1.6	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichloroethylene	8,810	1.8	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Trichlorofluoromethane	1,230,000	2,237.4	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,2,4-Trimethylbenzene	219,000		<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
1,3,5-Trimethylbenzene	182,000	689.1	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Vinyl Chloride	2,030	0.069	<25	<25	<25	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Total Xylenes	258,000	1,970	<25	<25	<25	<25	<25	<50	<50	<50	<50	<50	<50	<50

**Notes:**

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW RCL exceedances are bold

**Bold**

NTEDC RCL exceedances are outlined in bold

NS - No Standard

<sup>j</sup> - Estimated Value between detection limit and quantification limit



**Table 2a**  
**PZ1 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	PZ1							
	ES	PAL	8/7/02	9/24/02	12/9/02	4/3/03	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>								
Benzene	5	0.5	<0.48	<i>0.67</i>	<0.25	<0.41	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.23	<0.23
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.50	<0.50
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.50	<0.50
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<2.4	<2.4
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.50	<0.50
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<2.2	<2.2
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.50	<0.50
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.50	<0.50
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<i>4.6j</i>	<i>5.4</i>
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.50	<0.50
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.50	<0.50
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<2.2	<2.2
Dibromochloromethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.18	<0.18
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.22	<0.22
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.26	<0.26
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.23	<0.23
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.50	<0.50
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.48	<0.48
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.23	<0.23
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.50	<0.50
Ethylbenzene	700	140	<0.43	3.1	<0.53	1.5	<0.50	<0.50
Hexachloro-1,3-butadiene			<0.84	<0.95	<0.95	<0.67	<2.1	<2.1
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.14	<0.14
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.50	<0.50
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<i>0.84</i>	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.17	<0.17
Naphthalene	100	10	<0.59	1.3	<0.63	0.80	<2.5	<2.5
n-Propylbenzene			0.73	1.7	<0.95	0.98	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.25	<0.25
Terachloroethylene	5	0.5	<0.57	<0.63	<0.63	<0.45	<0.50	<0.50
Toluene	800	160	<0.47	4.9	<0.84	4.0	<0.50	<0.50
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.20	<0.20
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.33	<0.33
Trichlorofluoromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.50	<0.50
Total Trimethylbenzenes	480	96	2.75	15.8	0.74	7.9	<1.0	<1.0
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	2.95	31.3	<1.83	9.8	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD** = Exceeds Enforcement Standard

*Italic* = Exceeds Preventative Action Limit

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2b**  
**CPZ1 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	CPZ1										
	ES	PAL	8/7/02	9/24/02	12/9/02	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>											
Benzene	5	0.5	<0.48	<0.25	<0.25	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.82	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.97	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.56	<0.45	<0.45	<0.45	<0.45
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.94	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<0.91	<0.43	<0.43	<0.43	<0.43
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.93	<0.40	<0.40	<0.40	<0.40
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<0.89	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.97	<0.42	<0.42	<0.42	<0.42
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.49	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<1.3	<0.69	<0.69	<0.69	4.3j
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.41	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.81	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.97	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.85	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.74	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<1.7	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.56	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.60	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.87	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.95	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.36	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.83	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.57	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.83	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.99	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.89	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.46	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.36	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.61	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.62	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.75	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.20	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.19	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<0.53	<0.53	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.79	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.84	<0.95	<0.95	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.59	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.67	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<0.43	<0.43	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.61	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.59	<0.63	<0.63	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<0.95	<0.95	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.86	<0.35	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.92	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	5	0.5	<b>21</b>	<b>5.3</b>	<b>5.0</b>	<b>8.2</b>	<i>0.94j</i>	<0.47	<0.47	<0.47	<0.47
Toluene	800	160	<0.47	<0.84	<0.84	<0.67	<0.67	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<0.74	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<0.97	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.90	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.42	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.48	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.99	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.03	<1.33	<1.33	<1.80	<1.80	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.94	<1.83	<1.83	<2.63	<2.63	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD**

*Italic*

= Exceeds Enforcement Standard

j = Estimated Concentration Bet = Exceeds Preventative Action Limit

Table 2c  
 DPRA-PZI Groundwater Analytical Results  
 Former Normington Dry Cleaners  
 Wisconsin Rapids, Wisconsin

PARAMETER	DPRA-PZI																
	ES	PAL	10/7/98	1/14/99	5/18/99	7/27/99	4/30/98	7/8/98	10/7/98	1/14/99	5/18/99	7/27/99	8/7/02	9/24/02	12/9/02	4/3/03	
Detected VOC's (ug/L)																	
Benzene	5	0.5	7.8	651	1,230	X	170	36.1	X	27.9	X	X	77	92	24	4.5	
Bromobenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.4	<3.7	<7.4	<8.2
Bromochloromethane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.1	<3.4	<6.7	<9.7
Bromodichloromethane	0.6	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.1	<1.2	<2.3	<5.6
Bromoform	4.4	0.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.0	<2.2	<4.5	<9.4
Bromomethane	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.1	<4.3	<8.7	<9.1
n-Butylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.1	<3.2	<6.5	<9.3
sec-Butylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.9	<3.1	<6.2	<8.9
tert-Butylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<4.8	<9.6	<9.7
Carbon Tetrachloride	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.3	<2.3	<4.7	<4.9
Chloroform	6	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	<2.2	<4.5	<3.7
Chlorobenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.5	<2.9	<5.8	<4.1
Chlorodibromomethane	60	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.3	<4.2	<8.4	<8.1
Chloroethane	400	80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<4.2	<8.4	<9.7
Chloromethane	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.2	<1.4	<2.7	<2.4
2-Chlorotoluene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.8	<3.3	<6.6	<8.5
4-Chlorotoluene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.2	<4.5	<8.9	<7.4
1,2-Dibromo-3-chloropropane	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<4.4	<8.8	<8.7
1,2-Dibromoethane	0.05	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.1	<3.3	<6.6	<5.6
Dibromomethane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.7	<3.7	<7.4	<6.0
1,3-Dichlorobenzene	600	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.4	<2.9	<5.8	<8.7
1,4-Dichlorobenzene	75	15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.9	<3.1	<6.3	<9.5
1,2-Dichloroethane	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.7	<2.8	<5.5	<3.6
1,2-Dichlorobenzene	600	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.7	<3.5	<7.1	<8.3
1,1-Dichloroethene	7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.5	<2.8	<5.6	<5.7
cis-1,2-Dichloroethene	70	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.3	<4.0	<8.1	18
Dichlorodifluoromethane	1,000	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.8	<2.8	<5.7	<9.9
trans-1,2-Dichloroethylene	100	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.9	<4.0	<8.0	<8.9
1,2-Dichloropropane	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.3	<1.9	<3.9	<4.6
1,1-Dichloroethane	850	85	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.8	<4.3	<8.7	<7.5
1,3-Dichloropropane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.3	<3.1	<6.2	<6.1
2,2-Dichloropropane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.5	<5.0	<9.9	<6.2
1,1-Dichloropropene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.5	<4.0	<7.9	<7.5
cis-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.6	<2.8	<5.7	<1.9
trans-1,3-Dichloropropene	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.1	<3.2	<6.4	<1.9
Diisopropyl ether			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	<3.0	<6.0	<7.6
Ethylbenzene	700	140	6.22	1,630	785	672	11.9	X	X	15	X	X	87	37	23	24	<5.4
Fluorotrichloromethane	3,490	698	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.2	<4.2	<8.5	<7.9
Hexachlorobutadiene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.4	<4.8	<9.5	<6.7
Isopropylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.4	17	<6.6	<5.9
p-Isopropyltoluene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<2.9	<5.8	<6.7
Methylene Chloride	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.5	<2.3	<4.7	<4.3
Methyl t-Butyl Ether	60	12	27.5	X	X	X	X	X	X	4.08	X	X	X	<6.7	<4.3	<8.7	<6.1
Naphthalene	100	10	2.54	1,560	X	71.3	5.18	X	19.3	15.2	0.777	X	45	88	24	24	<7.4
n-Propylbenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	37	<9.5	<8.1
Styrene	100	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.3	<3.1	<6.2	<8.6
1,1,2,2-Tetrachloroethane	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.1	<3.9	<7.7	<2.0
1,1,1,2-Tetrachloroethane	70	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.5	<4.8	<9.5	<9.2
Tetrachloroethylene	5	0.5	2.88	X	X	X	2,360	1,550	1,770	2,760	2,860	3,520	1,300	620	720	1,000	<6.7
Toluene	800	160	80.7	14,900	564	3,920	X	X	X	15.0	X	X	5.2	6.3	8.4	8.4	<6.7
1,2,3-Trichlorobenzene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.7	<3.9	<7.7	<7.4
1,2,4-Trichlorobenzene	70	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.0	<2.8	<5.7	<9.7
1,1,1-Trichloroethane	200	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<6.9	<3.2	<6.5	<9.0
1,1,2-Trichloroethane	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.2	<2.5	<5.0	<4.2
Trichloroethylene	5	0.5	NA	X	NA	X	X	NA	NA	18.6	X	X	18	39	140	160	<6.7
1,2,3-Trichloropropane	60	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<7.8	<4.6	<9.2	<9.9
Total Trimethylbenzenes	480	96	15.65	6,290	451	2,203	4.36	X	X	1.58	X	X	140	272	<13.3	18	<6.7
Vinyl Chloride	0.2	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.8	<0.55	<1.1	<1.8
Total Xylenes	2,000	400	50.8	13,760	793	3,426	5.8	X	31.2	1.68	X	X	192	176	<18.3	<26.3	<6.7

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD**

*Italic*

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 2d**  
**CPZ2 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	CPZ2											
	ES	PAL	8/7/02	9/24/02	12/9/02	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	
<b>Detected VOC's (ug/L)</b>												
Benzene	5	0.5	<0.48	<0.25	<0.25	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.82	<0.48	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.97	<0.49	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.56	<0.45	<0.45	<0.45	<0.45	<0.45
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.94	<0.33	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<0.91	<0.43	<0.43	<0.43	<0.43	<0.43
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.93	<0.40	<0.40	<0.40	<0.40	<0.40
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<0.89	<0.60	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.97	<0.42	<0.42	<0.42	<0.42	<0.42
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.49	<0.37	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<1.3	<0.69	<0.69	<0.69	<0.69	<0.69
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.41	<0.36	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.81	<1.9	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.97	<0.44	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.39
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.85	<0.48	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.74	<0.48	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<1.7	<1.5	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.56	<0.38	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.60	<0.48	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.87	<0.45	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.95	<0.43	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.36	<0.48	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.83	<0.44	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.57	<0.43	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.83	<0.42	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.99	<0.40	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.89	<0.37	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.49	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.75	<0.28	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.61	<0.46	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.62	<0.50	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.75	<0.51	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.20	<0.29	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.19	<0.30	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<0.53	<0.53	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.79	<0.48	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.84	<0.95	<0.95	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.59	<0.34	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.67	<0.40	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<i>1.1</i>	<0.43	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.61	<0.49	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.59	<0.63	<0.63	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<0.95	<0.95	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.86	<0.35	<0.35	<0.35	<0.35	<0.35
1,1,1,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.92	<0.45	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	5	0.5	<0.57	<0.63	<0.63	<0.45	<0.45	<0.47	<0.47	<0.47	<0.47	<0.47
Toluene	800	160	<0.47	<0.84	<0.84	<0.67	<0.67	<0.44	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<0.74	<0.77	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<0.97	<2.5	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.90	<0.44	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.42	<0.39	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.48	<0.36	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.99	<0.47	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.03	<1.33	<1.33	<1.80	<1.80	<3.07	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.94	<1.83	<1.83	<2.63	<2.63	<1.32	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit  
ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2e**  
**CPZ3 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ3									
			8/7/02	9/24/02	12/9/02	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	
<b>Detected VOC's (ug/L)</b>												
Benzene	5	0.5	<0.48	<0.25	<0.25	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<0.74	<0.74	<0.82	<0.82	<0.48	<0.23	<0.23	<0.23	<0.23
Bromochloromethane			<0.61	<0.67	<0.67	<0.97	<0.97	<0.49	<0.34	<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.61	<0.23	<0.23	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<0.70	<0.45	<0.45	<0.94	<0.94	<0.33	<0.50	<0.50	<0.50	<0.50
Bromomethane	10	1	<0.71	<0.87	<0.87	<0.91	<0.91	<0.43	<2.4	<2.4	<2.4	<2.4
n-Butylbenzene			<0.61	<0.65	<0.65	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50
sec-Butylbenzene			<0.49	<0.62	<0.62	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2
tert-Butylbenzene			<0.50	<0.96	<0.96	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.73	<0.47	<0.47	<0.49	<0.49	<0.37	<0.50	<0.50	<0.50	<0.50
Chlorobenzene			<0.55	<0.58	<0.58	<0.41	<0.41	<0.36	<0.50	<0.50	<0.50	<0.50
Chloroethane	400	80	<0.57	<0.84	<0.84	<0.97	<0.97	<0.44	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<0.75	<0.45	<0.45	<0.37	<1.3	<0.69	<2.5	<2.5	<2.5	<2.5
Chloromethane	3	3	<0.62	<0.27	<0.27	<0.24	<0.24	<0.39	<0.50	<0.50	0.66j	<0.50
2-Chlorotoluene			<0.48	<0.66	<0.66	<0.85	<0.85	<0.48	<0.50	<0.50	<0.50	<0.50
4-Chlorotoluene			<0.72	<0.89	<0.89	<0.74	<0.74	<0.48	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<0.88	<0.88	<0.87	<1.7	<1.5	<2.2	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.43	<0.84	<0.84	<0.81	<0.81	<1.9	<0.50	<0.50	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<0.91	<0.66	<0.66	<0.56	<0.56	<0.38	<0.18	<0.18	<0.18	<0.18
Dibromomethane			<0.67	<0.74	<0.74	<0.60	<0.60	<0.48	<0.43	<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.67	<0.71	<0.71	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.54	<0.58	<0.58	<0.87	<0.87	<0.45	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.39	<0.63	<0.63	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.68	<0.57	<0.57	<0.99	<0.99	<0.40	<0.22	<0.22	<0.22	<0.22
1,1-Dichloroethane	850	85	<0.48	<0.87	<0.87	<0.36	<0.75	<0.28	<0.24	<0.24	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<0.47	<0.55	<0.55	<0.36	<0.36	<0.48	<0.17	<0.17	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.85	<0.56	<0.56	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<0.73	<0.81	<0.81	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26
trans-1,2-Dichloroethylene	100	20	<0.79	<0.80	<0.80	<0.89	<0.89	<0.37	<0.26	<0.26	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.53	<0.39	<0.39	<0.46	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.53	<0.62	<0.62	<0.61	<0.61	<0.46	<0.50	<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.95	<0.99	<0.99	<0.62	<0.62	<0.50	<0.48	<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.85	<0.79	<0.79	<0.75	<0.75	<0.51	<0.44	<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<0.57	<0.57	<0.19	<0.20	<0.29	<0.50	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<0.64	<0.64	<0.19	<0.19	<0.30	<0.23	<0.23	<0.23	<0.23
Diisopropyl ether			<0.60	<0.60	<0.60	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<0.53	<0.53	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene			<0.84	<0.95	<0.95	<0.67	<0.67	<1.3	<2.1	<2.1	<2.1	<2.1
Isopropylbenzene			<0.43	<0.66	<0.66	<0.59	<0.59	<0.34	<0.14	<0.14	<0.14	<0.14
p-Isopropyltoluene			<0.57	<0.58	<0.58	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.85	<0.47	<0.47	<i>1.1</i>	<0.43	<0.36	<0.23	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.67	<0.87	<0.87	<0.61	<0.61	<0.49	<0.17	<0.17	<0.17	<0.17
Naphthalene	100	10	<0.59	<0.63	<0.63	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<0.95	<0.95	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<0.62	<0.62	<0.86	<0.86	<0.35	<0.50	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.75	<0.95	<0.95	<0.92	<0.92	<0.45	<0.18	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<0.77	<0.77	<0.20	<0.20	<0.38	<0.25	<0.25	<0.25	<0.25
Terachloroethylene	5	0.5	<0.57	<0.63	<0.63	<0.45	<0.45	<0.47	<0.50	<0.50	<0.50	<0.50
Toluene	800	160	<0.47	<0.84	<0.84	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<0.57	<0.77	<0.77	<0.74	<0.74	<0.77	<2.1	<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<0.60	<0.57	<0.57	<0.97	<0.97	<2.5	<2.2	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.69	<0.65	<0.65	<0.90	<0.90	<0.44	<0.50	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.72	<0.50	<0.50	<0.42	<0.42	<0.39	<0.20	<0.20	<0.20	<0.20
Trichloroethylene	5	0.5	<0.4	<0.39	<0.39	<0.48	<0.48	<0.36	<0.33	<0.33	<0.33	<0.33
Trichlorofluoromethane	3,490	698	<0.52	<0.85	<0.85	<0.79	<0.79	<0.48	<0.18	<0.18	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<0.78	<0.92	<0.92	<0.99	<0.99	<0.47	<0.50	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1.03	<1.33	<1.33	<1.80	<1.80	<3.07	<1	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.11	<0.11	<0.18	<0.18	<0.18	<0.15	<0.15	<0.15	<0.15
Total Xylenes	2,000	400	<1.94	<1.83	<1.83	<2.63	<2.63	<1.32	<1.5	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2f**  
**CPZ4 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ4				CPZ4r		
			8/7/02	9/24/02	12/9/02	4/3/03	4/28/16	7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>									
Benzene	5	0.5	<0.48	<1.2	<1.2	<0.41	<0.50	<0.50	<0.50
Bromobenzene			<0.44	<3.7	<3.7	<0.82	<0.23	<0.23	<0.23
Bromochloromethane			<0.61	<3.4	<3.4	<0.97	<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.61	<1.2	<1.2	<0.56	<0.50	<0.50	<b>4.1</b>
Bromoform	4.4	0.44	<0.70	<2.2	<2.2	<0.94	<0.50	<0.50	<0.50
Bromomethane	10	1	<0.71	<4.3	<4.3	<0.91	<2.4	<2.4	<2.4
n-Butylbenzene			<0.61	<3.2	<3.2	<0.93	<0.50	<0.50	<0.50
sec-Butylbenzene			<0.49	<3.1	<3.1	<0.89	<2.2	<2.2	<2.2
tert-Butylbenzene			<0.50	<4.8	<4.8	<0.97	<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.73	<2.3	<2.3	<0.49	<0.50	<0.50	<0.50
Chlorobenzene			<0.55	<2.9	<2.9	<0.41	<0.50	<0.50	<0.50
Chloroethane	400	80	<0.57	<4.2	<4.2	<0.97	<0.37	<0.37	<0.37
Chloroform	6	0.6	<i>1.5</i>	<2.2	<2.2	<0.37	<b>7.6</b>	<i>2.8j</i>	<b>44.1</b>
Chloromethane	3	3	<0.62	<1.4	<1.4	<0.24	<0.50	<0.50	<0.50
2-Chlorotoluene			<0.48	<3.3	<3.3	<0.85	<0.50	<0.50	<0.50
4-Chlorotoluene			<0.72	<4.5	<4.5	<0.74	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.0	<4.4	<4.4	<0.87	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.43	<4.2	<4.2	<0.81	<0.50	<0.50	0.50j
1,2-Dibromoethane	0.05	0.005	<0.91	<3.3	<3.3	<0.56	<0.18	<0.18	<0.18
Dibromomethane			<0.67	<3.7	<3.7	<0.60	<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.67	<3.5	<3.5	<0.83	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.54	<2.9	<2.9	<0.87	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.39	<3.1	<3.1	<0.95	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.68	<2.8	<2.8	<0.99	<0.22	<0.22	<0.22
1,1-Dichloroethane	850	85	<0.48	<4.3	<4.3	<0.36	<0.24	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<0.47	<2.8	<2.8	<0.36	<0.17	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<0.85	<2.8	<2.8	<0.57	<0.41	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<0.73	<4.0	<4.0	<0.83	<0.26	<0.26	<0.26
trans-1,2-Dichloroethylene	100	20	<0.79	<4.0	<4.0	<0.89	<0.26	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.53	<1.9	<1.9	<0.46	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.53	<3.1	<3.1	<0.61	<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.95	<5.0	<5.0	<0.62	<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.85	<4.0	<4.0	<0.75	<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.56	<2.8	<2.8	<0.19	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.51	<3.2	<3.2	<0.19	<0.23	<0.23	<0.23
Diisopropyl ether			<0.60	<3.0	<3.0	<0.76	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.43	<2.6	<2.6	<0.54	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<0.84	<4.8	<4.8	<0.67	<2.1	<2.1	<2.1
Isopropylbenzene			<0.43	<3.3	<3.3	<0.59	<0.14	<0.14	<0.14
p-Isopropyltoluene			<0.57	<2.9	<2.9	<0.67	<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.85	<2.3	<2.3	<i>1.1</i>	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.67	<4.3	<4.3	<0.61	<0.17	<0.17	<0.17
Naphthalene	100	10	<0.59	<3.1	<3.1	<0.74	<2.5	<2.5	<2.5
n-Propylbenzene			<0.64	<4.8	<4.8	<0.81	<0.50	<0.50	<0.50
Styrene	100	10	<0.43	<3.1	<3.1	<0.86	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.75	<4.8	<4.8	<0.92	<0.18	<0.18	<0.18
1,1,1,2,2-Tetrachloroethane	0.2	0.02	<0.91	<3.9	<3.9	<0.20	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>39</b>	<b>350</b>	<b>400</b>	<b>25</b>	<b>75.2</b>	<0.50	<b>19.1</b>
Toluene	800	160	<0.47	<4.2	<4.2	<0.67	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<0.57	<3.9	<3.9	<0.74	<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<0.60	<2.8	<2.8	<0.97	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.69	<3.2	<3.2	<0.90	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<i>0.86</i>	<2.5	<2.5	<0.42	<0.20	<0.20	<0.20
Trichloroethylene	5	0.5	<0.4	<1.9	<1.9	<0.48	<i>0.60j</i>	<0.33	<i>0.47j</i>
Trichlorofluoromethane	3,490	698	<0.52	<4.2	<4.2	<0.79	<0.18	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<0.78	<4.6	<4.6	<0.99	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1.03	<6.6	<6.6	<1.80	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.55	<0.55	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.94	<9.1	<9.1	<2.63	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 2g**  
**CPZ5 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	CPZ5									
	ES	PAL	2/12/03	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>										
Benzene	5	0.5	2.3	<1.0	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<1.8	<2.0	<0.82	<0.48	<0.48	<0.23	<0.23	<0.23
Bromochloromethane			<1.7	<2.4	<0.97	<0.49	<0.49	<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.58	<1.4	<0.56	<0.45	<0.45	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<1.1	<2.4	<0.94	<0.33	<0.33	<0.50	<0.50	<0.50
Bromomethane	10	1	<2.2	<2.3	<0.91	<0.43	<0.43	<2.4	<2.4	<2.4
n-Butylbenzene			<1.6	<2.3	<0.93	<0.40	<0.40	<0.50	<0.50	<0.50
sec-Butylbenzene			<1.6	<2.2	<0.89	<0.60	<0.60	<2.2	<2.2	<2.2
tert-Butylbenzene			<2.4	<2.4	<0.97	<0.42	<0.42	<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<1.2	<1.2	<0.49	<0.37	<0.37	<0.50	<0.50	<0.50
Chlorobenzene			<1.4	<1.0	<0.41	<0.36	<0.36	<0.50	<0.50	<0.50
Chloroethane	400	80	<2.1	<2.4	<0.97	<0.44	<0.44	<0.37	<0.37	<0.37
Chloroform	6	0.6	<1.1	<0.92	<1.3	<0.69	<0.69	<2.5	<2.5	<2.5
Chloromethane	3	3	<0.68	<0.60	<0.24	<0.39	<0.39	<0.50	<0.50	<0.50
2-Chlorotoluene			<1.6	<2.1	<0.85	<0.48	<0.48	<0.50	<0.50	<0.50
4-Chlorotoluene			<2.2	<1.8	<0.74	<0.48	<0.48	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<1.7	<1.5	<1.5	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<2.1	<2.0	<0.81	<1.9	<1.9	<0.50	<0.50	<0.50
1,2-Dibromoethane	0.05	0.005	<1.6	<1.4	<0.56	<0.38	<0.38	<0.18	<0.18	<0.18
Dibromomethane			<1.8	<1.5	<0.60	<0.48	<0.48	<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<1.8	<2.1	<0.83	<0.44	<0.44	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<1.4	<2.2	<0.87	<0.45	<0.45	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<1.6	<2.4	<0.95	<0.43	<0.43	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<1.4	<2.5	<0.99	<0.40	<0.40	<0.22	<0.22	<0.22
1,1-Dichloroethane	850	85	<2.2	<1.9	<0.75	<0.28	<0.28	<0.24	<0.24	<0.24
1,2-Dichloroethane	5	0.5	<1.4	<0.90	<0.36	<0.48	<0.48	<0.17	<0.17	<0.17
1,1-Dichloroethene	7	0.7	<1.4	<1.4	<0.57	<0.43	<0.43	<0.41	<0.41	<0.41
cis-1,2-Dichloroethene	70	7	<2.0	<2.1	<0.83	0.78j	<0.29	0.35j	1.1	0.64j
trans-1,2-Dichloroethylene	100	20	<2.0	<2.2	<0.89	0.80j	0.80j	<0.26	1.4	0.49j
1,2-Dichloropropane	5	0.5	<0.98	<1.2	<0.49	<0.50	<0.50	<0.23	<0.23	<0.23
1,3-Dichloropropane			<1.6	<1.5	<0.61	<0.46	<0.46	<0.50	<0.50	<0.50
2,2-Dichloropropane			<2.5	<1.6	<0.62	<0.50	<0.50	<0.48	<0.48	<0.48
1,1-Dichloropropene			<2.0	<1.9	<0.75	<0.51	<0.51	<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<1.4	<0.48	<0.20	<0.29	<0.29	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<1.6	<0.48	<0.19	<0.30	<0.30	<0.23	<0.23	<0.23
Diisopropyl ether			<1.5	<1.9	<0.76	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<1.3	<1.4	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.4	<1.7	<0.67	<1.3	<1.3	<2.1	<2.1	<2.1
Isopropylbenzene			<1.6	<1.5	<0.59	<0.34	<0.34	<0.14	<0.14	<0.14
p-Isopropyltoluene			<1.4	<1.7	<0.67	<0.40	<0.40	<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<1.2	<1.1	<0.43	<0.36	<0.36	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<2.2	<1.5	<0.61	<0.49	<0.49	<0.17	<0.17	<0.17
Naphthalene	100	10	<1.6	<1.8	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<2.4	<2.0	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<1.6	<2.2	<0.86	<0.35	<0.35	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<2.4	<2.3	<0.92	<0.45	<0.45	<0.18	<0.18	<0.18
1,1,1,2,2-Tetrachloroethane	0.2	0.02	<1.9	<0.50	<0.20	<0.38	<0.38	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>470</b>	<b>400</b>	<b>95.7</b>	<i>0.57j</i>	<b>31.9</b>	<b>32.0</b>	<b>93.5</b>	<b>116.0</b>
Toluene	800	160	<2.1	<1.7	<0.67	<0.44	<0.44	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<1.9	<1.8	<0.74	<0.77	<0.77	<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<1.4	<2.4	<0.97	<2.5	<2.5	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<1.6	<2.2	<0.90	<0.44	<0.44	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<1.2	<1.0	<0.42	<0.39	<0.39	<0.20	<0.20	<0.20
Trichloroethylene	5	0.5	<b>22</b>	<b>9.6</b>	<b>46.1</b>	<b>57.9</b>	<b>21.7</b>	<b>24.4</b>	<b>60.4</b>	<b>49.8</b>
Trichlorofluoromethane	3,490	698	<2.1	<2.0	<0.79	<0.48	<0.48	<0.18	<0.18	<0.18
1,2,3-Trichloropropane	60	12	<2.3	<2.5	<0.99	<0.47	<0.47	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<3.3	<4.5	<1.80	<3.07	<3.07	<1.0	<1.0	<1.0
Vinyl Chloride	0.2	0.02	<0.28	<0.46	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<4.6	<6.6	<2.63	<1.32	<1.32	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2h**  
**CPZ6 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	CPZ6									
	ES	PAL	2/12/03	4/3/03	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>										
Benzene	5	0.5	<0.62	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<1.8	<0.82	<0.82	<0.48	<0.48	<0.48	<0.48	<0.23
Bromochloromethane			<1.7	<0.97	<0.97	<0.49	<0.49	<0.49	<0.49	<0.34
Bromodichloromethane	0.6	0.06	<0.58	<0.56	<0.56	<b>1.3</b>	<b>0.90j</b>	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<1.1	<0.94	<0.94	<0.33	<0.33	<0.33	<0.33	<0.50
Bromomethane	10	1	<2.2	<0.91	<0.91	<0.43	<0.43	<0.43	<0.43	<2.4
n-Butylbenzene			<1.6	<0.93	<0.93	<0.40	<0.40	<0.40	<0.40	<0.50
sec-Butylbenzene			<1.6	<0.89	<0.89	<0.60	<0.60	<0.60	<0.60	<2.2
tert-Butylbenzene			<2.4	<0.97	<0.97	<0.42	<0.42	<0.42	<0.42	<0.18
Carbon Tetrachloride	5	0.5	<1.2	<0.49	<0.49	<0.37	<0.37	<0.37	<0.37	<0.50
Chlorobenzene			<1.4	<0.41	<0.41	<0.36	<0.36	<0.36	<0.36	<0.50
Chloroethane	400	80	<2.1	<0.97	<0.97	<0.44	<0.44	<0.44	<0.44	<0.37
Chloroform	6	0.6	<1.1	<0.37	<i>2.0j</i>	<b>19.6</b>	<b>12.9</b>	<2.5	<2.5	<2.5
Chloromethane	3	3	<0.68	<0.24	<0.24	<0.39	<0.39	<0.39	<0.39	<0.50
2-Chlorotoluene			<1.6	<0.85	<0.85	<0.48	<0.48	<0.48	<0.48	<0.50
4-Chlorotoluene			<2.2	<0.74	<0.74	<0.48	<0.48	<0.48	<0.48	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<0.87	<1.7	<1.5	<1.5	<1.5	<1.5	<2.2
Dibromochloromethane	60	6	<2.1	<0.81	<0.81	<1.9	<1.9	<1.9	<1.9	<0.50
1,2-Dibromoethane	0.05	0.005	<1.6	<0.56	<0.56	<0.38	<0.38	<0.38	<0.38	<0.18
Dibromomethane			<1.8	<0.60	<0.60	<0.48	<0.48	<0.48	<0.48	<0.43
1,2-Dichlorobenzene	600	60	<1.8	<0.83	<0.83	<0.44	<0.44	<0.44	<0.44	<0.50
1,3-Dichlorobenzene	600	120	<1.4	<0.87	<0.87	<0.45	<0.45	<0.45	<0.45	<0.50
1,4-Dichlorobenzene	75	15	<1.6	<0.95	<0.95	<0.43	<0.43	<0.43	<0.43	<0.50
Dichlorodifluoromethane	1,000	200	<1.4	<0.99	<0.99	<0.40	<0.40	<0.40	<0.40	<0.22
1,1-Dichloroethane	850	85	<2.2	<0.36	<0.75	<0.28	<0.28	<0.28	<0.28	<0.24
1,2-Dichloroethane	5	0.5	<1.4	<0.36	<0.36	<0.48	<0.48	<0.48	<0.48	<0.17
1,1-Dichloroethene	7	0.7	<1.4	<0.57	<0.57	<0.43	<0.43	<0.43	<0.43	<0.41
cis-1,2-Dichloroethene	70	7	<2.0	<0.83	<0.83	<0.42	<0.42	<0.42	<0.42	<0.26
trans-1,2-Dichloroethylene	100	20	2.1	<0.89	<0.89	<0.37	<0.37	<0.37	<0.37	<0.26
1,2-Dichloropropane	5	0.5	<0.98	<0.46	<0.49	<0.50	<0.50	<0.50	<0.50	<0.23
1,3-Dichloropropane			<1.6	<0.61	<0.61	<0.46	<0.46	<0.46	<0.46	<0.50
2,2-Dichloropropane			<2.5	<0.62	<0.62	<0.50	<0.50	<0.50	<0.50	<0.48
1,1-Dichloropropene			<2.0	<0.75	<0.75	<0.51	<0.51	<0.51	<0.51	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<1.4	<0.19	<0.20	<0.29	<0.29	<0.29	<0.29	<0.26
trans-1,3-Dichloropropene	0.4	0.04	<1.6	<0.19	<0.19	<0.30	<0.30	<0.30	<0.30	<0.26
Diisopropyl ether			<1.5	<0.76	<0.76	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<1.3	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50
Hexachlorobutadiene			<2.4	<0.67	<0.67	<1.3	<1.3	<1.3	<1.3	<2.1
Isopropylbenzene			<1.6	<0.59	<0.59	<0.34	<0.34	<0.34	<0.34	<0.14
p-Isopropyltoluene			<1.4	<0.67	<0.67	<0.40	<0.40	<0.40	<0.40	<0.50
Methylene Chloride	5	0.5	<1.2	<i>0.84</i>	<0.43	<0.36	<0.36	<0.36	<0.36	<0.23
Methyl t-Butyl Ether	60	12	<2.2	<0.61	<0.61	<0.49	<0.49	<0.49	<0.49	<0.17
Naphthalene	100	10	<1.6	<0.74	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<2.4	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<1.6	<0.86	<0.86	<0.35	<0.35	<0.35	<0.35	<0.50
1,1,1,2-Tetrachloroethane	70	7	<2.4	<0.92	<0.92	<0.45	<0.45	<0.45	<0.45	<0.18
1,1,1,2,2-Tetrachloroethane	0.2	0.02	<1.9	<0.20	<0.20	<0.38	<0.38	<0.38	<0.38	<0.25
Tetrachloroethylene	5	0.5	<b>250</b>	<b>63</b>	<0.45	<0.47	<0.47	<0.47	<0.47	<i>0.95j</i>
Toluene	800	160	<2.1	<0.67	<0.67	<0.44	<0.44	<0.44	<0.44	<0.50
1,2,3-Trichlorobenzene			<1.9	<0.74	<0.74	<0.77	<0.77	<0.77	<0.77	<2.1
1,2,4-Trichlorobenzene	70	14	<1.4	<0.97	<0.97	<2.5	<2.5	<2.5	<2.5	<2.2
1,1,1-Trichloroethane	200	40	<1.6	<0.90	<0.90	<0.44	<0.44	<0.44	<0.44	<0.50
1,1,2-Trichloroethane	5	0.5	<1.2	<0.42	<0.42	<0.39	<0.39	<0.39	<0.39	<0.20
Trichloroethylene	5	0.5	<b>20</b>	<i>3.7</i>	<0.48	<0.36	<0.36	<0.36	<0.36	<i>0.53j</i>
Trichlorofluoromethane	3,490	698	<2.1	<0.79	<0.79	<0.48	<0.48	<0.48	<0.48	<0.18
1,2,3-Trichloropropane	60	12	<2.3	<0.99	<0.99	<0.47	<0.47	<0.47	<0.47	<0.50
Total Trimethylbenzenes	480	96	<3.3	<1.80	<1.80	<3.07	<3.07	<3.07	<3.07	<1
Vinyl Chloride	0.2	0.02	<0.28	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<4.6	<2.63	<2.63	<1.32	<1.32	<1.32	<1.32	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2i**  
**PZWR2 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	PZWR2							
	ES	PAL	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17	6/23/17
<b>Detected VOC's (ug/L)</b>								
Benzene	5	0.5	<10.2	<0.50	<2.5	<10.0	<2.5	<2.5
Bromobenzene			<20.5	<0.48	<2.4	<4.6	<1.2	<1.2
Bromochloromethane			<24.2	<0.49	<2.5	<6.8	<1.7	<1.7
Bromodichloromethane	0.6	0.06	<14.0	<0.45	<2.3	<10.0	<2.5	<2.5
Bromoform	4.4	0.44	<23.5	<0.33	<1.6	<10.0	<2.5	<2.5
Bromomethane	10	1	<22.8	<0.43	<2.1	<48.7	<12.2	<12.2
n-Butylbenzene			<23.2	<0.40	<2.0	<10.0	<2.5	<2.5
sec-Butylbenzene			<22.2	<0.60	<3.0	<43.7	<10.9	<10.9
tert-Butylbenzene			<24.2	<0.42	<2.1	<3.6	<0.90	<0.90
Carbon Tetrachloride	5	0.5	<12.2	<0.37	<1.8	<10.0	<2.5	<2.5
Chlorobenzene			<10.2	<0.36	<1.8	<10.0	<2.5	<2.5
Chloroethane	400	80	<24.2	<0.44	<2.2	<7.5	<1.9	<1.9
Chloroform	6	0.6	<32.5	<0.69	<3.4	<50.0	<12.5	<b>26.2</b>
Chloromethane	3	3	<6.0	<0.39	<1.9	<10.0	<b>3.6j</b>	<2.5
2-Chlorotoluene			<21.2	<0.48	<2.4	<10.0	<2.5	<2.5
4-Chlorotoluene			<18.5	<0.48	<2.4	<4.3	<1.1	<1.1
1,2-Dibromo-3-chloropropane	0.2	0.02	<42.0	<1.5	<7.5	<43.3	<10.8	<10.8
Dibromochloromethane	60	6	<20.2	<1.9	<9.5	<10.0	<2.5	<2.5
1,2-Dibromoethane	0.05	0.005	<14.0	<0.38	<1.9	<3.6	<0.89	<0.89
Dibromomethane			<15.0	<0.48	<2.4	<8.5	<2.1	<2.1
1,2-Dichlorobenzene	600	60	<20.8	<0.44	<2.2	<10.0	<2.5	<2.5
1,3-Dichlorobenzene	600	120	<21.8	<0.45	<2.3	<10.0	<2.5	<2.5
1,4-Dichlorobenzene	75	15	<23.8	<0.43	<2.2	<10.0	<2.5	<2.5
Dichlorodifluoromethane	1,000	200	<24.8	<0.40	<2.0	<4.5	<1.1	<1.1
1,1-Dichloroethane	850	85	<18.8	<0.28	<2.1	<4.8	<1.2	<1.2
1,2-Dichloroethane	5	0.5	<9.0	<0.48	<2.4	<3.4	<0.84	<0.84
1,1-Dichloroethene	7	0.7	<14.2	<0.43	<2.1	<8.2	<2.1	<2.1
cis-1,2-Dichloroethene	70	7	<20.8	<0.42	<2.1	<5.1	<1.3	<1.3
trans-1,2-Dichloroethylene	100	20	<22.2	<0.37	<1.9	<5.1	<1.3	<1.3
1,2-Dichloropropane	5	0.5	<12.2	<0.50	<2.5	<4.7	<1.2	<1.2
1,3-Dichloropropane			<15.2	<0.46	<2.3	<10.0	<2.5	<2.5
2,2-Dichloropropane			<15.5	<0.50	<2.5	<9.7	<2.4	<2.4
1,1-Dichloropropene			<18.8	<0.51	<2.5	<8.8	<2.2	<2.2
cis-1,3-Dichloropropene	0.4	0.04	<5.0	<0.29	<1.5	<10.0	<2.5	<2.5
trans-1,3-Dichloropropene	0.4	0.04	<4.8	<0.30	<1.5	<4.6	<1.1	<1.1
Diisopropyl ether			<19.0	<0.50	<2.5	<10.0	<2.5	<2.5
Ethylbenzene	700	140	<13.5	<0.50	<2.5	<10.0	<2.5	<2.5
Hexachloro-1,3-butadiene			<16.8	<1.3	<6.3	<42.1	<10.5	<10.5
Isopropylbenzene			<14.8	<0.34	<1.7	<2.9	<0.72	<0.72
p-Isopropyltoluene			<16.8	<0.40	<2.0	<10.0	<2.5	<2.5
Methylene Chloride	5	0.5	<10.8	<0.36	<1.8	<4.7	<1.2	<i>1.3j</i>
Methyl t-Butyl Ether	60	12	<15.2	<0.49	<2.5	<3.5	<0.87	<0.87
Naphthalene	100	10	<22.2	<2.5	<12.5	<50.0	<12.5	<12.5
n-Propylbenzene			<20.2	<0.50	<2.5	<10.0	<2.5	<2.5
Styrene	100	10	<21.5	<0.35	<1.7	<10.0	<2.5	<2.5
1,1,1,2-Tetrachloroethane	70	7	<23.0	<0.45	<2.3	<3.6	<0.90	<0.90
1,1,1,2,2-Tetrachloroethane	0.2	0.02	<5.0	<0.38	<1.9	<5.0	<1.2	<1.2
Tetrachloroethylene	5	0.5	<b>1,240</b>	<b>79.3</b>	<b>650</b>	<b>2,260</b>	<b>543</b>	<b>1,420</b>
Toluene	800	160	<16.8	<0.44	<2.2	<10.0	<2.5	<2.5
1,2,3-Trichlorobenzene			<18.5	<0.77	<3.8	<42.7	<10.7	<10.7
1,2,4-Trichlorobenzene	70	14	<24.2	<2.5	<12.5	<44.2	<11.0	<11.0
1,1,1-Trichloroethane	200	40	<22.5	<0.44	<2.2	<10.0	<2.5	<2.5
1,1,2-Trichloroethane	5	0.5	<10.5	<0.39	<1.9	<3.9	<0.99	<0.99
Trichloroethylene	5	0.5	<12.0	<0.36	<i>3.7j</i>	<b>7.3j</b>	<1.7	<b>10.6</b>
Trichlorofluoromethane	3,490	698	<19.8	<0.48	<2.4	<3.7	<0.92	<0.92
1,2,3-Trichloropropane	60	12	<24.8	<0.47	<2.3	<10.0	<2.5	<2.5
Total Trimethylbenzenes	480	96	<45	<3.07	<5	<20	<5	<5
Vinyl Chloride	0.2	0.02	<4.5	<0.18	<0.92	<3.5	<0.88	<0.88
Total Xylenes	2,000	400	<65.8	<1.32	<6.6	<30	<7.5	<7.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>	= Exceeds Enforcement Standard
<i>Italic</i>	= Exceeds Preventative Action Limit

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2j**  
**PZWR3 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	PZWR3						
	ES	PAL	6/13/12	9/10/13	3/5/14	4/28/16	7/5/17
<b>Detected VOC's (ug/L)</b>							
Benzene	5	0.5	<0.41	<0.50	<0.50	<0.50	<0.50
Bromobenzene			<0.82	<0.48	<0.48	<0.48	<0.48
Bromochloromethane			<0.97	<0.49	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.56	<0.45	<0.45	<0.45	<0.45
Bromoform	4.4	0.44	<0.94	<0.33	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.91	<0.43	<0.43	<0.43	<0.43
sec-Butylbenzene			<0.89	<0.60	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.97	<0.42	<0.42	<0.42	<0.42
n-Butylbenzene			<0.93	<0.40	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<0.49	<0.37	<0.37	<0.37	<0.37
Chloroform	6	0.6	<1.3	<0.69	<0.69	<0.69	<0.69
Chlorobenzene			<0.41	<0.36	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.81	<1.9	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.97	<0.44	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.24	<0.39	<0.39	<0.39	0.60j
2-Chlorotoluene			<0.85	<0.48	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.74	<0.48	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.7	<1.5	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38	<0.38	<0.38	<0.38
Dibromomethane			<0.60	<0.48	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.87	<0.45	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.95	<0.43	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.36	<0.48	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.83	<0.44	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.57	<0.43	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.83	<0.42	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.99	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.89	<0.37	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.49	<0.50	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.75	<0.28	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.61	<0.46	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.62	<0.50	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.75	<0.51	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.20	<0.29	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30	<0.30	<0.30	<0.30
Diisopropyl ether			<0.76	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.54	<0.50	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.79	<0.48	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.67	<1.3	<1.3	<1.3	<1.3
Isopropylbenzene			<0.59	<0.34	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.67	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.43	<0.36	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.61	<0.49	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.89	<2.5	<2.5	<2.5	<2.5
n-Propylbenzene			<0.81	<0.50	<0.50	<0.50	<0.50
Styrene	100	10	<0.86	<0.35	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	5	0.5	<0.45	0.57j	<0.47	<0.47	<0.47
Toluene	800	160	<0.67	<0.44	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.74	<0.77	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.90	<0.44	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.48	<0.36	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.99	<0.47	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.80	<3.07	<3.07	<3.07	<3.07
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<2.63	<1.32	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

**BOLD** = Exceeds Enforcement Standard

*Italic* = Exceeds Preventative Action Limit

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2k**  
**Sprinkler East Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	Sprinkler East - CV062				
	ES	PAL	4/23/03	9/10/13	8/15/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<0.41	<0.50	<0.25
Bromobenzene			<0.82	<0.48	<0.24
Bromochloromethane			<0.97	<0.49	<0.36
Bromodichloromethane	0.6	0.06	<0.56	<0.45	<0.36
Bromoform	4.4	0.44	<0.94	<0.33	<4.0
Bromomethane	10	1	<0.91	<0.43	<0.97
n-Butylbenzene			<0.93	<0.40	<0.71
sec-Butylbenzene			<0.89	<0.60	<0.85
tert-Butylbenzene			<0.97	<0.42	<0.30
Carbon Tetrachloride	5	0.5	<0.49	<0.37	<0.17
Chlorobenzene			<0.41	<0.36	<0.71
Chloroethane	400	80	<0.97	<0.44	<1.3
Chloroform	6	0.6	<0.37	<0.69	<1.3
Chloromethane	3	3	<0.24	<0.39	<2.2
2-Chlorotoluene			<0.85	<0.48	<0.93
4-Chlorotoluene			<0.74	<0.48	<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<0.87	<1.5	<1.8
Dibromochloromethane	60	6	<0.81	<1.9	<2.6
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38	<0.83
Dibromomethane			<0.60	<0.48	<0.94
1,2-Dichlorobenzene	600	60	<0.83	<0.44	<0.71
1,3-Dichlorobenzene	600	120	<0.87	<0.45	<0.63
1,4-Dichlorobenzene	75	15	<0.95	<0.43	<0.94
Dichlorodifluoromethane	1,000	200	<0.99	<0.40	<0.50
1,1-Dichloroethane	850	85	<0.36	<0.28	<0.27
1,2-Dichloroethane	5	0.5	<0.36	<0.48	<0.28
1,1-Dichloroethene	7	0.7	<0.57	<0.43	<0.24
cis-1,2-Dichloroethene	70	7	1.0	3.1	8.6
trans-1,2-Dichloroethylene	100	20	<0.89	4.1	13.3
1,2-Dichloropropane	5	0.5	<0.46	<0.50	<0.28
1,3-Dichloropropane			<0.61	<0.46	<0.83
2,2-Dichloropropane			<0.62	<0.50	<2.3
1,1-Dichloropropene			<0.75	<0.51	<0.54
cis-1,3-Dichloropropene	0.4	0.04	<0.19	<0.29	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30	<4.4
Diisopropyl ether			<0.76	<0.50	<1.9
Ethylbenzene	700	140	<0.54	<0.50	<0.22
Hexachlorobutadiene			<0.67	<1.3	<1.2
Isopropylbenzene			<0.59	<0.34	<0.39
p-Isopropyltoluene			<0.67	<0.40	<0.80
Methylene Chloride	5	0.5	<0.43	<0.36	<0.58
Methyl t-Butyl Ether	60	12	<0.61	<0.49	<1.2
Naphthalene	100	10	<0.74	<2.5	<1.2
n-Propylbenzene			<0.81	<0.50	<0.81
Styrene	100	10	<0.86	<0.35	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38	<0.28
Terachloroethylene	5	0.5	<b>81</b>	<b>57.7</b>	<b>29.2</b>
Toluene	800	160	<0.67	<0.44	<0.17
1,2,3-Trichlorobenzene			<0.74	<0.77	<0.63
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5	<0.95
1,1,1-Trichloroethane	200	40	<0.90	<0.44	<0.24
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39	<0.55
Trichloroethylene	5	0.5	<b>57</b>	<b>76.3</b>	<b>77.7</b>
Trichlorofluoromethane	3,490	698	<0.79	<0.48	<0.21
1,2,3-Trichloropropane	60	12	<0.99	<0.47	<0.59
Total Trimethylbenzenes	480	96	<1.80	<3.07	<1.71
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.17
Total Xylenes	2,000	400	<2.63	<1.32	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 21**  
**Sprinkler West Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	Sprinkler West - CV063				
	ES	PAL	4/23/03	9/10/13	8/15/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<0.41	<0.50	<0.25
Bromobenzene			<0.82	<0.48	<0.24
Bromochloromethane			<0.97	<0.49	<0.36
Bromodichloromethane	0.6	0.06	<0.56	<0.45	<0.36
Bromoform	4.4	0.44	<0.94	<0.33	<4.0
Bromomethane	10	1	<0.91	<0.43	<0.97
n-Butylbenzene			<0.93	<0.40	<0.71
sec-Butylbenzene			<0.89	<0.60	<0.85
tert-Butylbenzene			<0.97	<0.42	<0.30
Carbon Tetrachloride	5	0.5	<0.49	<0.37	<0.17
Chlorobenzene			<0.41	<0.36	<0.71
Chloroethane	400	80	<0.97	<0.44	<1.3
Chloroform	6	0.6	<0.37	<0.69	<1.3
Chloromethane	3	3	<0.24	<0.39	<2.2
2-Chlorotoluene			<0.85	<0.48	<0.93
4-Chlorotoluene			<0.74	<0.48	<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<0.87	<1.5	<1.8
Dibromochloromethane	60	6	<0.81	<1.9	<2.6
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38	<0.83
Dibromomethane			<0.60	<0.48	<0.94
1,2-Dichlorobenzene	600	60	<0.83	<0.44	<0.71
1,3-Dichlorobenzene	600	120	<0.87	<0.45	<0.63
1,4-Dichlorobenzene	75	15	<0.95	<0.43	<0.94
Dichlorodifluoromethane	1,000	200	<0.99	<0.40	<0.50
1,1-Dichloroethane	850	85	<0.36	<0.28	<0.27
1,2-Dichloroethane	5	0.5	<0.36	<0.48	<0.28
1,1-Dichloroethene	7	0.7	<0.57	<0.43	<0.24
cis-1,2-Dichloroethene	70	7	<0.83	7.2	8.7
trans-1,2-Dichloroethylene	100	20	<0.89	9.6	10.1
1,2-Dichloropropane	5	0.5	<0.46	<0.50	<0.28
1,3-Dichloropropane			<0.61	<0.46	<0.83
2,2-Dichloropropane			<0.62	<0.50	<2.3
1,1-Dichloropropene			<0.75	<0.51	<0.54
cis-1,3-Dichloropropene	0.4	0.04	<0.19	<0.29	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30	<4.4
Diisopropyl ether			<0.76	<0.50	<1.9
Ethylbenzene	700	140	<0.54	<0.50	<0.22
Hexachlorobutadiene			<0.67	<1.3	<1.2
Isopropylbenzene			<0.59	<0.34	<0.39
p-Isopropyltoluene			<0.67	<0.40	<0.80
Methylene Chloride	5	0.5	<0.86	<0.36	<0.58
Methyl t-Butyl Ether	60	12	<0.61	<0.49	<1.2
Naphthalene	100	10	<0.74	<2.5	<1.2
n-Propylbenzene			<0.81	<0.50	<0.81
Styrene	100	10	<0.86	<0.35	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38	<0.28
Terachloroethylene	5	0.5	<b>340</b>	<b>5.4</b>	<b>11.6</b>
Toluene	800	160	<0.67	<0.44	<0.17
1,2,3-Trichlorobenzene			<0.74	<0.77	<0.63
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5	<0.95
1,1,1-Trichloroethane	200	40	<0.90	<0.44	<0.24
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39	<0.55
Trichloroethylene	5	0.5	<b>35</b>	<b>47.9</b>	<b>56.5</b>
Trichlorofluoromethane	3,490	698	<0.79	<0.48	<0.21
1,2,3-Trichloropropane	60	12	<0.99	<0.47	<0.59
Total Trimethylbenzenes	480	96	<1.80	<3.07	<1.71
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.17
Total Xylenes	2,000	400	<2.63	<1.32	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2m**  
**MWWR1 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	MWWR1			
			6/13/12	3/5/14	4/28/16	7/7/17
<b>Detected VOC's (ug/L)</b>						
Benzene	5	0.5	<0.41	<0.50	<0.50	<0.50
Bromobenzene			<0.82	<0.48	<0.48	<0.48
Bromochloromethane			<0.97	<0.49	<0.49	<0.49
Bromodichloromethane	0.6	0.06	<0.56	<0.45	<0.45	3.2
Bromoform	4.4	0.44	<0.94	<0.33	<0.33	<0.33
Bromomethane	10	1	<0.91	<0.43	<0.43	<0.43
sec-Butylbenzene			<0.89	<0.60	<0.60	<0.60
tert-Butylbenzene			<0.97	<0.42	<0.42	<0.42
n-Butylbenzene			<0.93	<0.40	<0.40	<0.40
Carbon Tetrachloride	5	0.5	<0.49	<0.37	<0.37	<0.37
Chloroform	6	0.6	<1.3	<0.69	<0.69	<b>37.1</b>
Chlorobenzene			<0.41	<0.36	<0.36	<0.36
Chlorodibromomethane	60	6	<0.81	<1.9	<1.9	<1.9
Chloroethane	400	80	<0.97	<0.44	<0.44	<0.44
Chloromethane	3	3	<0.24	<0.39	<0.39	<0.39
2-Chlorotoluene			<0.85	<0.48	<0.48	<0.48
4-Chlorotoluene			<0.74	<0.48	<0.48	<0.48
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.7	<1.5	<1.5	<1.5
1,2-Dibromoethane	0.05	0.005	<0.56	<0.38	<0.38	<0.38
Dibromomethane			<0.60	<0.48	<0.48	<0.48
1,3-Dichlorobenzene	600	120	<0.87	<0.45	<0.45	<0.45
1,4-Dichlorobenzene	75	15	<0.95	<0.43	<0.43	<0.43
1,2-Dichloroethane	5	0.5	<0.36	<0.48	<0.48	<0.48
1,2-Dichlorobenzene	600	60	<0.83	<0.44	<0.44	<0.44
1,1-Dichloroethene	7	0.7	<0.57	<0.43	<0.43	<0.43
cis-1,2-Dichloroethene	70	7	<0.83	<0.42	<0.42	<0.42
Dichlorodifluoromethane	1,000	200	<0.99	<0.40	<0.40	<0.40
trans-1,2-Dichloroethylene	100	20	<0.89	<0.37	<0.37	<0.37
1,2-Dichloropropane	5	0.5	<0.49	<0.50	<0.50	<0.50
1,1-Dichloroethane	850	85	<0.75	<0.28	<0.28	<0.28
1,3-Dichloropropane			<0.61	<0.46	<0.46	<0.46
2,2-Dichloropropane			<0.62	<0.50	<0.50	<0.50
1,1-Dichloropropene			<0.75	<0.51	<0.51	<0.51
cis-1,3-Dichloropropene	0.4	0.04	<0.20	<0.29	<0.29	<0.29
trans-1,3-Dichloropropene	0.4	0.04	<0.19	<0.30	<0.30	<0.30
Diisopropyl ether			<0.76	<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.54	<0.50	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.79	<0.48	<0.48	<0.48
Hexachlorobutadiene			<0.67	<1.3	<1.3	<1.3
Isopropylbenzene			<0.59	<0.34	<0.34	<0.34
p-Isopropyltoluene			<0.67	<0.40	<0.40	<0.40
Methylene Chloride	5	0.5	<0.43	<0.36	<0.36	<0.36
Methyl t-Butyl Ether	60	12	<0.61	<0.49	<0.49	<0.49
Naphthalene	100	10	<0.89	<2.5	<2.5	<2.5
n-Propylbenzene			<0.81	<0.50	<0.50	<0.50
Styrene	100	10	<0.86	<0.35	<0.35	<0.35
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.20	<0.38	<0.38	<0.38
1,1,1,2-Tetrachloroethane	70	7	<0.92	<0.45	<0.45	<0.45
Tetrachloroethylene	5	0.5	<0.45	<0.47	<0.47	<0.47
Toluene	800	160	<0.67	<0.44	<0.44	<0.44
1,2,3-Trichlorobenzene			<0.74	<0.77	<0.77	<0.77
1,2,4-Trichlorobenzene	70	14	<0.97	<2.5	<2.5	<2.5
1,1,1-Trichloroethane	200	40	<0.90	<0.44	<0.44	<0.44
1,1,2-Trichloroethane	5	0.5	<0.42	<0.39	<0.39	<0.39
Trichloroethylene	5	0.5	<0.48	<0.36	<0.36	<0.36
1,2,3-Trichloropropane	60	12	<0.99	<0.47	<0.47	<0.47
Total Trimethylbenzenes	480	96	<1.80	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<2.63	<1.32	<1.32	<1.32

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2n**  
**Groundwater Profile Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	GWP1 6/5/14	GWP2 6/5/14	GWP3 6/5/14	GWP4 6/5/14	GWP5 6/5/14
<b>Detected VOC's (ug/L)</b>							
Benzene	5	0.5	<0.50	<0.50	<b>16.4</b>	<b>6.4</b>	<0.50
Bromobenzene			<0.23	<0.23	<0.58	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.85	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	<1.2	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50	<1.2	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<6.1	<2.4	<2.4
sec-Butylbenzene			<2.2	<2.2	<5.5	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.45	<0.18	<0.18
n-Butylbenzene			<0.50	<0.50	<1.2	<0.50	<0.50
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<1.2	<0.50	<0.50
Chloroform	6	0.6	<2.5	<2.5	<6.2	<2.5	<2.5
Chlorobenzene			<0.50	<0.50	<1.2	<0.50	<0.50
Chlorodibromomethane	60	6	<0.32	<0.32	<0.80	<0.32	<0.32
Chloroethane	400	80	<0.37	<0.37	<0.94	<0.37	<0.37
Chloromethane	3	3	<0.50	<0.50	<1.2	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50	<1.2	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<1.2	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<5.4	<2.2	<2.2
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.41	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<1.1	<0.43	<0.43
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<1.2	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<1.2	<0.50	<0.50
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.42	<0.18	<0.18
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<1.2	<0.50	<0.50
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<1.0	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	0.91j	1.1	3.0	2.7	<0.26
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.39	<0.16	<0.16
trans-1,2-Dichloroethylene	100	20	<0.24	<0.24	2.2j	3.0	<0.24
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.58	<0.23	<0.23
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.46	<0.18	<0.18
1,3-Dichloropropane			<0.50	<0.50	<1.2	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<1.2	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<1.1	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<1.2	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.57	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<1.2	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<1.2	<0.50	<0.50
Fluorotrichloromethane	3,490	698	<0.17	<0.17	<0.43	<0.17	<0.17
Hexachlorobutadiene			<2.1	<2.1	<5.3	<2.1	<2.1
Isopropylbenzene			<0.12	<0.12	<0.29	<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50	<1.2	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.58	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	0.38j	12.6	1.5	<0.17
Naphthalene	100	10	<2.5	<2.5	<6.2	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<1.2	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<1.2	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.62	<0.25	<0.25
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.45	<0.18	<0.18
Tetrachloroethylene	5	0.5	<b>26.2</b>	2.3	<b>73.5</b>	<b>77.4</b>	<0.50
Toluene	800	160	<0.50	<0.50	<1.2	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<5.3	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<5.5	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<1.2	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.39	<0.16	<0.16
Trichloroethylene	5	0.5	<b>8.8</b>	<b>7.9</b>	<b>173</b>	<b>25.4</b>	<i>0.87j</i>
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<1.2	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<2.4	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.44	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<3.7	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2o**  
**CPZ7 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ7		
			4/28/16	7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<i>0.88j</i>	<0.50	<0.50
Bromobenzene			<0.23	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<0.50
Chlorobenzene			<0.50	<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5	<2.5
Chloromethane	3	3	<0.50	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	4.2	2.9	<b>9.5</b>
trans-1,2-Dichloroethylene	100	20	<0.24	<0.24	3.0
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1	<2.1
Isopropylbenzene			<0.12	<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	5.6	1.3	3.6
Naphthalene	100	10	<2.5	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	3.7	3.7	3.4
Toluene	800	160	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.16
Trichloroethylene	5	0.5	<b>18.1</b>	<b>10.7</b>	<b>27.6</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2p**  
**CPZ8 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ8		
			4/28/16	7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<0.50	<0.50	<0.50
Bromobenzene			<0.23	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<0.50
Chlorobenzene			<0.50	<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5	<2.5
Chloromethane	3	3	<0.50	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	1.2	<0.26	0.70j
trans-1,2-Dichloroethylene	100	20	0.75j	<0.26	0.32j
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1	<2.1
Isopropylbenzene			<0.12	<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	<0.17	<0.17
Naphthalene	100	10	<2.5	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>137</b>	<b>29.8</b>	<b>92.4</b>
Toluene	800	160	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.16
Trichloroethylene	5	0.5	<b>26.1</b>	4.6	<b>11.6</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 2q**  
**MW2r Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	MW2r		
			4/28/16	7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<0.50	<0.50	<0.50
Bromobenzene			<0.23	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	3.3
Bromoform	4.4	0.44	<0.50	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<0.50
Chlorobenzene			<0.50	<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50	<b>38.9</b>
2-Chlorotoluene			<0.50	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<0.26	<0.26	<0.26
trans-1,2-Dichloroethene	100	20	<0.26	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1	<2.1
Isopropylbenzene			<0.12	<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	<0.17	<0.17
Naphthalene	100	10	<2.5	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>5.0</b>	<0.50	<b>12.1</b>
Toluene	800	160	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.16
Trichloroethylene	5	0.5	<0.33	<0.33	<0.33
Trichlorofluoromethane	3,490	698	<0.17	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2r**  
**CPZ9 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ9	
			7/5/17	6/27/18
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<0.50	<0.50
Bromobenzene			<0.23	<0.23
Bromochloromethane			<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50
Chlorobenzene			<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16
Dibromomethane			<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<0.26	9.2
trans-1,2-Dichloroethene	100	20	<0.26	13.4
1,2-Dichloropropane	5	0.5	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1
Isopropylbenzene			<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	<0.17
Naphthalene	100	10	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50
Styrene	100	10	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25
Tetrachloroethylene	5	0.5	1.9	2.7
Toluene	800	160	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16
Trichloroethylene	5	0.5	0.49j	<b>8.7</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2s**  
**CPZ10 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ10		
			7/5/17	6/27/18	7/13/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<0.50	<0.50	<0.50
Bromobenzene			<0.23	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<0.50
Chlorobenzene			<0.50	<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	0.48j	0.78j	1.2
trans-1,2-Dichloroethene	100	20	<0.26	<0.26	<0.26
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1	<2.1
Isopropylbenzene			<0.12	<0.12	<0.12
p-Isopropyltoluene			<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	<0.17	<0.17	<0.17
Naphthalene	100	10	<2.5	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>12.5</b>	<b>13.7</b>	<b>19.0</b>
Toluene	800	160	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.16
Trichloroethylene	5	0.5	<b>14.6</b>	<b>21.4</b>	<b>29.8</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2t**  
**CPZ11 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ11		
			7/5/17	6/27/18	7/13/18
<b>Detected VOC's (ug/L)</b>					
Benzene	5	0.5	<i>0.55j</i>	<i>1.0</i>	<i>0.74j</i>
Bromobenzene			<0.23	<0.23	<0.23
Bromochloromethane			<0.34	<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50	<0.50
Chlorobenzene			<0.50	<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16	<0.16
Dibromomethane			<0.43	<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	1.2	3.8	2.3
trans-1,2-Dichloroethene	100	20	<0.26	0.72j	0.52j
1,2-Dichloropropane	5	0.5	<0.23	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1	<2.1
Isopropylbenzene			0.30j	<0.14	<0.14
p-Isopropyltoluene			<0.50	<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23	<0.23
Methyl t-Butyl Ether	60	12	3.1	5.7	3.5
Naphthalene	100	10	<2.5	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50	<0.50
Styrene	100	10	<0.50	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25	<0.25
Tetrachloroethylene	5	0.5	<b>14.3</b>	<b>20.4</b>	<b>11.2</b>
Toluene	800	160	<0.50	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16	<0.16
Trichloroethylene	5	0.5	<b>17.8</b>	<b>28.7</b>	<b>16.8</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2u**  
**CPZ12 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ12	
			6/27/18	7/13/18
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<0.50	<0.50
Bromobenzene			<0.23	<0.23
Bromochloromethane			<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50
Chlorobenzene			<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16
Dibromomethane			<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	<i>40.3</i>	<i>30.0</i>
trans-1,2-Dichloroethene	100	20	<i>63.4</i>	<i>44.9</i>
1,2-Dichloropropane	5	0.5	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1
Isopropylbenzene			<0.14	<0.14
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	5.7	5.7
Naphthalene	100	10	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50
Styrene	100	10	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25
Tetrachloroethylene	5	0.5	<0.50	<0.50
Toluene	800	160	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16
Trichloroethylene	5	0.5	<b>63.6</b>	<b>46.6</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit



**Table 2v**  
**CPZ13 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ13	
			6/27/18	7/13/18
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	0.68j	0.55j
Bromobenzene			<0.23	<0.23
Bromochloromethane			<0.34	<0.34
Bromodichloromethane	0.6	0.06	<0.50	<0.50
Bromoform	4.4	0.44	<0.50	<0.50
Bromomethane	10	1	<2.4	<2.4
n-Butylbenzene			<0.50	<0.50
sec-Butylbenzene			<2.2	<2.2
tert-Butylbenzene			<0.18	<0.18
Carbon Tetrachloride	5	0.5	<0.50	<0.50
Chlorobenzene			<0.50	<0.50
Chloroethane	400	80	<0.37	<0.37
Chloroform	6	0.6	<2.5	<2.5
Chloromethane	30	3	<0.50	<0.50
2-Chlorotoluene			<0.50	<0.50
4-Chlorotoluene			<0.21	<0.21
1,2-Dibromo-3-chloropropane	0.2	0.02	<2.2	<2.2
Dibromochloromethane	60	6	<0.32	<0.32
1,2-Dibromoethane	0.05	0.005	<0.16	<0.16
Dibromomethane			<0.43	<0.43
1,2-Dichlorobenzene	600	60	<0.50	<0.50
1,3-Dichlorobenzene	600	120	<0.50	<0.50
1,4-Dichlorobenzene	75	15	<0.50	<0.50
Dichlorodifluoromethane	1,000	200	<0.16	<0.16
1,1-Dichloroethane	850	85	<0.18	<0.18
1,2-Dichloroethane	5	0.5	<0.18	<0.18
1,1-Dichloroethene	7	0.7	<0.17	<0.17
cis-1,2-Dichloroethene	70	7	48.7	34.1
trans-1,2-Dichloroethene	100	20	73.3	51.1
1,2-Dichloropropane	5	0.5	<0.23	<0.23
1,3-Dichloropropane			<0.50	<0.50
2,2-Dichloropropane			<0.48	<0.48
1,1-Dichloropropene			<0.44	<0.44
cis-1,3-Dichloropropene	0.4	0.04	<0.50	<0.50
trans-1,3-Dichloropropene	0.4	0.04	<0.23	<0.23
Diisopropyl ether			<0.50	<0.50
Ethylbenzene	700	140	<0.50	<0.50
Hexachloro-1,3-butadiene			<2.1	<2.1
Isopropylbenzene			<0.14	0.30j
p-Isopropyltoluene			<0.50	<0.50
Methylene Chloride	5	0.5	<0.23	<0.23
Methyl t-Butyl Ether	60	12	0.81j	0.76j
Naphthalene	100	10	<2.5	<2.5
n-Propylbenzene			<0.50	<0.50
Styrene	100	10	<0.50	<0.50
1,1,1,2-Tetrachloroethane	70	7	<0.18	<0.18
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.25	<0.25
Tetrachloroethylene	5	0.5	<0.50	<b>14.4</b>
Toluene	800	160	<0.50	<0.50
1,2,3-Trichlorobenzene			<2.1	<2.1
1,2,4-Trichlorobenzene	70	14	<2.2	<2.2
1,1,1-Trichloroethane	200	40	<0.50	<0.50
1,1,2-Trichloroethane	5	0.5	<0.16	<0.16
Trichloroethylene	5	0.5	<b>43.6</b>	<b>40.5</b>
Trichlorofluoromethane	3,490	698	<0.17	<0.17
1,2,3-Trichloropropane	60	12	<0.50	<0.50
Total Trimethylbenzenes	480	96	<1	<1
Vinyl Chloride	0.2	0.02	<0.18	<0.18
Total Xylenes	2,000	400	<1.5	<1.5

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2w**  
**CPZ14 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ14	
			6/27/18	7/13/18
<b>Detected VOC's (ug/L)</b>				
Benzene	5	0.5	<1.2	<1.0
Bromobenzene			<0.58	<0.46
Bromochloromethane			<0.85	<0.68
Bromodichloromethane	0.6	0.06	<1.2	<1.0
Bromoform	4.4	0.44	<1.2	<1.0
Bromomethane	10	1	<6.1	<4.9
n-Butylbenzene			<1.2	<1.0
sec-Butylbenzene			<5.5	<4.4
tert-Butylbenzene			<0.45	<0.36
Carbon Tetrachloride	5	0.5	<1.2	<1.0
Chlorobenzene			<1.2	<1.0
Chloroethane	400	80	<0.94	<0.75
Chloroform	6	0.6	<6.2	<5.0
Chloromethane	30	3	<1.2	<1.0
2-Chlorotoluene			<1.2	<1.0
4-Chlorotoluene			<0.53	<0.43
1,2-Dibromo-3-chloropropane	0.2	0.02	<5.4	<4.3
Dibromochloromethane	60	6	<1.2	<1.0
1,2-Dibromoethane	0.05	0.005	<0.44	<0.36
Dibromomethane			<1.1	<0.85
1,2-Dichlorobenzene	600	60	<1.2	<1.0
1,3-Dichlorobenzene	600	120	<1.2	<1.0
1,4-Dichlorobenzene	75	15	<1.2	<1.0
Dichlorodifluoromethane	1,000	200	<0.56	<0.45
1,1-Dichloroethane	850	85	<0.60	<0.48
1,2-Dichloroethane	5	0.5	<0.42	<0.34
1,1-Dichloroethene	7	0.7	<1.0	<0.82
cis-1,2-Dichloroethene	70	7	0.75j	1.4j
trans-1,2-Dichloroethene	100	20	0.96j	1.9j
1,2-Dichloropropane	5	0.5	<0.58	<0.14
1,3-Dichloropropane			<1.2	<1.0
2,2-Dichloropropane			<1.2	<0.97
1,1-Dichloropropene			<1.1	<0.88
cis-1,3-Dichloropropene	0.4	0.04	<1.2	<1.0
trans-1,3-Dichloropropene	0.4	0.04	<0.57	<0.46
Diisopropyl ether			<1.2	<1.0
Ethylbenzene	700	140	<1.2	<1.0
Hexachloro-1,3-butadiene			<5.3	<4.2
Isopropylbenzene			<0.36	<0.29
p-Isopropyltoluene			<1.2	<1.0
Methylene Chloride	5	0.5	<0.58	<0.47
Methyl t-Butyl Ether	60	12	<0.44	<0.35
Naphthalene	100	10	<6.2	<5.0
n-Propylbenzene			<1.2	<1.0
Styrene	100	10	<1.2	<1.0
1,1,1,2-Tetrachloroethane	70	7	<0.45	<0.36
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.62	<0.50
Tetrachloroethylene	5	0.5	<b>130</b>	<b>150</b>
Toluene	800	160	<1.2	<1.0
1,2,3-Trichlorobenzene			<5.3	<4.3
1,2,4-Trichlorobenzene	70	14	<5.5	<4.4
1,1,1-Trichloroethane	200	40	<1.2	<1.0
1,1,2-Trichloroethane	5	0.5	<0.49	<0.39
Trichloroethylene	5	0.5	<b>17.5</b>	<b>21.5</b>
Trichlorofluoromethane	3,490	698	<0.46	<0.37
1,2,3-Trichloropropane	60	12	<1.2	<1.0
Total Trimethylbenzenes	480	96	<2.4	<2
Vinyl Chloride	0.2	0.02	<0.44	<0.35
Total Xylenes	2,000	400	<3.7	<3

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2x**  
**CPZ15 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ15 10/1/18
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	<i>31.9</i>
trans-1,2-Dichloroethene	100	20	<i>50.8</i>
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	<0.33
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	<b>29.4</b>
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2y**  
**CPZ16 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ16 10/1/18
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	26.0
trans-1,2-Dichloroethene	100	20	38.7
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	<0.33
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	<b>31.7</b>
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2z**  
**CPZ17 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ17 10/1/18
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	<0.27
trans-1,2-Dichloroethene	100	20	<1.1
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	<b>12.9</b>
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	<i>1.3</i>
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 2aa**  
**CPZ18 Groundwater Analytical Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

PARAMETER	ES	PAL	CPZ18 10/1/18
<b>Detected VOC's (ug/L)</b>			
Benzene	5	0.5	<0.25
Bromobenzene			<0.24
Bromochloromethane			<0.36
Bromodichloromethane	0.6	0.06	<0.36
Bromoform	4.4	0.44	<4.0
Bromomethane	10	1	<0.97
n-Butylbenzene			<0.71
sec-Butylbenzene			<0.85
tert-Butylbenzene			<0.30
Carbon Tetrachloride	5	0.5	<0.17
Chlorobenzene			<0.71
Chloroethane	400	80	<1.3
Chloroform	6	0.6	<1.3
Chloromethane	30	3	<2.2
2-Chlorotoluene			<0.93
4-Chlorotoluene			<0.76
1,2-Dibromo-3-chloropropane	0.2	0.02	<1.8
Dibromochloromethane	60	6	<2.6
1,2-Dibromoethane	0.05	0.005	<0.83
Dibromomethane			<0.94
1,2-Dichlorobenzene	600	60	<0.71
1,3-Dichlorobenzene	600	120	<0.63
1,4-Dichlorobenzene	75	15	<0.94
Dichlorodifluoromethane	1,000	200	<0.50
1,1-Dichloroethane	850	85	<0.27
1,2-Dichloroethane	5	0.5	<0.28
1,1-Dichloroethene	7	0.7	<0.24
cis-1,2-Dichloroethene	70	7	0.89j
trans-1,2-Dichloroethene	100	20	1.1j
1,2-Dichloropropane	5	0.5	<0.28
1,3-Dichloropropane			<0.83
2,2-Dichloropropane			<2.3
1,1-Dichloropropene			<0.54
cis-1,3-Dichloropropene	0.4	0.04	<3.6
trans-1,3-Dichloropropene	0.4	0.04	<4.4
Diisopropyl ether			<1.9
Ethylbenzene	700	140	<0.22
Hexachloro-1,3-butadiene			<1.2
Isopropylbenzene			<0.39
p-Isopropyltoluene			<0.80
Methylene Chloride	5	0.5	<0.58
Methyl t-Butyl Ether	60	12	<1.2
Naphthalene	100	10	<1.2
n-Propylbenzene			<0.81
Styrene	100	10	<0.47
1,1,1,2-Tetrachloroethane	70	7	<0.27
1,1,2,2-Tetrachloroethane	0.2	0.02	<0.28
Tetrachloroethylene	5	0.5	0.36j
Toluene	800	160	<0.17
1,2,3-Trichlorobenzene			<0.63
1,2,4-Trichlorobenzene	70	14	<0.95
1,1,1-Trichloroethane	200	40	<0.24
1,1,2-Trichloroethane	5	0.5	<0.55
Trichloroethylene	5	0.5	1.3
Trichlorofluoromethane	3,490	698	<0.21
1,2,3-Trichloropropane	60	12	<0.59
Total Trimethylbenzenes	480	96	<1.71
Vinyl Chloride	0.2	0.02	<0.17
Total Xylenes	2,000	400	<0.73

PAL = Preventative Action Limit

ES = Enforcement Standards

<b>BOLD</b>
<i>Italic</i>

j = Estimated Concentration Between Method Detection Limit and Reporting Limit

**Table 3  
Groundwater Level Data  
Former Normington Dry Cleaners  
Wisconsin Rapids, WI**

	PZ1	DPRA-PZ1	CPZ1	CPZ2	CPZ3	CPZ4	CPZ4r	CPZ5	CPZ6	PZWR2	PZWR3	MW2r	CZPZ7	CPZ8	CPZ9	CPZ10	CPZ11	CPZ12	CPZ13	CPZ14
Ground Surface Elevation	1027.27	1026.88	1027.15	1027.13	1027.20	1028.01	1028.03	1027.00	1027.31	1027.13	1027.45	1028.03	1027.47	1027.71	1028.20	1028.08	1027.88	1026.12	1026.36	1026.88
Top of Casing Elevation	1026.91	1026.47	1026.75	1026.66	1026.77	1027.53	1027.61	1026.76	1027.03	1026.71	1026.95	1027.56	1027.18	1027.22	1027.68	1027.55	1027.37	1025.73	1025.84	1026.53
Top of Screen Elevation	1001.90	997.72	996.47	996.88	1002.70	1003.16	997.71	991.47	979.98	996.71	996.95	1012.86	997.36	997.41	998.16	1000.48	997.66	996.23	996.06	996.93
Bottom of Screen Elevation	996.90	992.72	991.47	991.88	997.70	998.16	992.71	986.47	974.98	991.71	991.95	1002.86	992.36	992.41	993.16	995.48	992.66	991.23	991.06	991.93

Depth to Water (feet)

08/07/2002	14.27	15.14	15.80	14.66	13.98	14.75	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
09/24/2002	14.48	16.47	17.12	15.85	14.19	14.98	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/09/2003	14.58	15.49	16.13	15.07	14.28	15.05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
02/12/2003	NM	NM	NM	NM	NM	NM	NI	15.83	17.34	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
04/02/2003	15.19	Frozen	16.58	15.46	14.85	15.65	NI	17.03	17.47	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
09/10/2013	NM	NM	16.40	14.89	13.94	Abandoned	NI	16.71	17.16	16.02	14.11	NI	NI	NI	NI	NI	NI	NI	NI	NI
03/05/2014	NM	NM	16.46	14.21	14.93	Abandoned	NI	16.81	17.38	16.17	14.52	NI	NI	NI	NI	NI	NI	NI	NI	NI
04/28/2016	13.64	NM	15.11	14.30	13.32	Abandoned	14.82	15.48	16.02	15.52	13.52	14.14	15.95	15.68	NI	NI	NI	NI	NI	NI
07/05/2017	13.28	NM	15.44	14.26	12.99	Abandoned	15.45	15.68	16.76	14.79	13.19	13.77	16.13	15.02	17.15	16.72	16.72	NI	NI	NI
06/27/2018	13.44	NM	15.55	14.07	13.16	Abandoned	15.09	16.13	15.91	14.44	16.06	13.94	16.06	16.17	17.20	16.71	16.74	15.06	15.02	16.86
07/13/2018	NM	NM	NM	NM	NM	Abandoned	14.90	NM	NM	NM	NM	NM	NM	NM	17.36	16.89	16.89	15.23	15.16	17.04

Groundwater Elevation

08/07/2002	1012.64	1011.33	1010.95	1012.00	1012.79	1012.78	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
09/24/2002	1012.43	1010.00	1009.63	1010.81	1012.58	1012.55	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
12/09/2003	1012.33	1010.98	1010.62	1011.59	1012.49	1012.48	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
02/12/2003	NM	NM	NM	NM	NM	NM	NI	1010.93	1009.69	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
04/02/2003	1011.72	Frozen	1010.17	1011.20	1011.92	1011.88	NI	1009.73	1009.56	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
09/10/2013	NM	NM	1010.35	1011.77	1012.83	Abandoned	NI	1010.05	1009.87	1010.69	1012.84	NI	NI	NI	NI	NI	NI	NI	NI	NI
03/05/2014	NM	NM	1010.29	1012.45	1011.84	Abandoned	NI	1009.95	1009.65	1010.54	1012.43	NI	NI	NI	NI	NI	NI	NI	NI	NI
04/28/2016	1013.27	NM	1011.64	1012.36	1013.45	Abandoned	1012.79	1011.28	1011.01	1011.19	1013.43	1013.42	1011.23	1011.54	NI	NI	NI	NI	NI	NI
07/05/2017	1013.63	NM	1011.31	1012.40	1013.78	Abandoned	1012.16	1011.08	1010.27	1011.92	1013.76	1013.79	1011.05	1012.20	1010.53	1010.83	1010.65	NI	NI	NI
06/27/2018	1013.47	NM	1011.20	1012.59	1013.61	Abandoned	1012.52	1010.63	1011.12	1012.27	1010.89	1013.62	1011.12	1011.05	1010.48	1010.84	1010.63	1010.67	1010.82	1009.67
07/13/2018	NM	NM	NM	NM	NM	Abandoned	1012.71	NM	NM	NM	NM	NM	NM	NM	1010.32	1010.66	1010.48	1010.50	1010.68	1009.49

NM = Not Measured  
NI = Not Installed





**Table 4**  
**Sub-Slab Vapor Sampling Results**  
**Former Normington Dry Cleaners**  
**Wisconsin Rapids, Wisconsin**

VOCs (ug/m <sup>3</sup> )	Screening Levels	10/6/14	2/13/15	10/6/14	2/13/15
	Non-Residential	AVP-1		RVP-1	
Acetone	1,400,000	227	20.3	388	19.6
Benzene	160	3.5	1.5	9.1	2.8
2-Butanone (MEK)	220,000	19.9	13.2	5.0	3.9
Chloroform		<1.1	3.8	<0.24	<0.24
Chloromethane		<0.41	<0.41	<0.56	2.0
Cyclohexane	260,000	2.5	2.3	12.0	3.2
1,4-Dichlorobenzene	110	4.3	<0.42	13.8	0.95j
Dichlorodifluoromethane	4,400	65.9	5.2	4.6	1.9
Ethyl acetate		<0.27	<0.27	<0.17	1.0
Ethylbenzene	490	8.7	4.5	10.5	3.0
4-Ethyltoluene	NS	5.7	5.4	6.5	2.8
n-Heptane	NS	8.9	1.8j	10.4	2.4j
n-Hexane	3,100	2.9	5.0	18.3	5.7
2-Hexanone	1,300	<2.4	3.3	1.5	1.8
Methylene Chloride		<7.5	11.7	<0.31	5.7
4-Methyl-2-pentanone (MIBK)	130,000	5.5	1.9j	<1.5	1.4j
Propylene	130,000	<2.5	0.91	12.5	<0.15
Styrene		<0.29	3.2j	<0.18	<0.18
Tetrachloroethene	1,800	640	406	15.8	78.2
Tetrahydrofuran	88,000	<1.7	<0.29	3.6	<0.19
Toluene	220,000	138	20.1	301	15.5
Trichloroethene	88	3.2	2.1j	<1.0	<0.24
1,2,4-Trimethylbenzene	31,000	16.0	12.2	19.3	5.6
1,3,5-Trimethylbenzene	NS	5.0	4.1	5.3	2.2
Vinyl Chloride	280	<0.75	<0.20	<0.48	<0.12
m&p-Xylene	4,400	34.9	15.4	41.7	9.2
o-Xylene	4,400	11.8	7.0	14.1	3.9

NS - No Standard

NA- Not Analyzed

**Bold** Exceeds Residential Screening Level

AVP-1 = Sub-slab vapor port at Allied Health building (former Normington Cleaners)

RVP-1 = Sub-slab vapor port at R&R Transmission building (former Colonial Standard)

j - Estimated concentration at or above the Limit of Detection and below the Limit of Quantification